

2020

MARYLAND ANNUAL HIV EPIDEMIOLOGICAL PROFILE

Data reported through
June 30, 2021

**CENTER FOR HIV
SURVEILLANCE,
EPIDEMIOLOGY AND
EVALUATION**

Infectious Disease Prevention and
Health Services Bureau
Prevention and Health Promotion
Administration



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On the Web

<https://health.maryland.gov/phpa/OIDEOR/CHSE/SiteAssets/Pages/statistics/Maryland-Annual-HIV-Epidemiological-Profile--2020.pdf>

Additional Information and Reporting Instructions

<https://health.maryland.gov/phpa/OIDEOR/CHSE/Pages/statistics.aspx>

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Section I – Summary of Analyses and Technical Notes

Highlights of Analyses

CHSEE in MDH is responsible for the collection, analysis, and dissemination of HIV surveillance data for the state of Maryland. The annual epidemiological profiles, fact sheets, maps and other reports are provided to summarize information about the HIV epidemic in Maryland.

All rates presented below are per 100,000 population.

HIV Diagnoses

During 2020, there were 724 reported HIV diagnoses in Maryland. Data presented below describe HIV diagnoses in Maryland, among people age 13 years and older, during 2020.

- Geographic distribution: Prince George’s County accounted for the highest number (221, 30.5%) of HIV diagnoses. The rate was highest in Baltimore City (35.5).
- Age: Persons aged 20-39 years accounted for the highest number (420, 57.9%) of HIV diagnoses and the highest rate (30.1).
- Sex at Birth: Males accounted for the highest number (531, 73.3%) of HIV diagnoses. The rate among males was 21.7 and 7.3 among females.
- Race/Ethnicity: Non-Hispanic Black people accounted for the highest number (520, 71.8%) and the highest rate (33.9).
- Exposure Category: Male-to-male sexual contact accounted for the highest number (388, 53.6%) of diagnoses.

People Living with Diagnosed HIV

At the end of 2020, there were 31,676 people living with diagnosed HIV in Maryland. Data presented below describe people living with diagnosed HIV, aged 13 years and older, in Maryland.

- Geographic distribution: Baltimore City accounted for the highest number (10,423, 32.9%) of people living with diagnosed HIV and the highest rate (2,089.7).
- Age: Persons aged 50+ years accounted for the highest number (16,682, 52.6%) of people living with diagnosed HIV and the highest rate (1,125.1).
- Sex at Birth: Males accounted for the highest number (20,908, 66.0%) of people living with diagnosed HIV. The rate among males was 855.4 and 405.6 among females.
- Race/Ethnicity: Non-Hispanic Black people accounted for the highest number (23,554, 74.4%) of the people living with diagnosed HIV and the highest rate (1,537.6).
- Exposure Category: Male-to-male sexual contact accounted for the highest number (12,768, 40.3%) of the total people living with diagnosed HIV.

Engagement in HIV Care

- HIV diagnosed: Among people living with HIV in Maryland, it is estimated that 89.9 percent have been diagnosed and an estimated 3,559 people with HIV remain undiagnosed.
- Linked to care: During 2020, 86.3 percent of reported HIV diagnoses were linked to HIV care within one month of their HIV diagnosis.
- Retained in care: Among people living with diagnosed HIV, 76.9 percent were retained in care during 2020.
- Viral suppression: In 2020, 66.5 percent of people living with diagnosed HIV achieved viral suppression.

Technical Notes

HIV/AIDS Reporting

The Maryland HIV/AIDS Reporting Act of 2007 requires that people living with diagnosed HIV be reported by name to MDH. As per the reporting requirements of Health-General Articles 18-201.1, 18-202.1, and 18-205 of the Annotated Code of Maryland, as specified in the Code of Maryland Regulations (COMAR) 10.18.02, physicians are required to report patients in their care with diagnoses of HIV or AIDS and infants born to mothers living with HIV, clinical and infection control practitioners in medical and correctional facilities are required to report patients in the care of the institution with diagnoses of HIV or AIDS, and laboratory directors are required to report all HIV diagnostic and HIV-related monitoring test results, including HIV negative test results.

Report Changes

In order to be responsive to changing data needs, the following update has been made to this report:

- The mean age at HIV diagnosis has been added to the Maryland Annual HIV Epidemiological Profile in the new Figure 6A. This data is not currently included in the jurisdiction or region-level profiles, but is available upon request.

Data Specifications

Surveillance is the ongoing systematic collection, analysis, interpretation, and dissemination of data. Data are collected on all people with HIV who were residents of the state of Maryland or received HIV care in Maryland. Data are presented for people who were Maryland residents at the time of their HIV diagnosis in 2020 and for people who were living with HIV and were current residents of Maryland as of December 31, 2020.

Data presented were reported to the MDH through June 30, 2021. Reported new diagnoses and estimates of people living with diagnosed HIV are as of December 31, 2020.

This report presents data with a six-month reporting delay. This lag allows for time to report case and laboratory data and to complete investigations. Due to reporting delays, estimates by exposure category and mortality are preliminary.

Please read all table titles and footnotes carefully to ensure a complete understanding of the displayed data. A glossary of terms is also available.

COVID-19 and HIV Surveillance Data

Data for 2020 should be interpreted with caution due to the impact of the Coronavirus Disease 2019 (COVID-19) pandemic on access to HIV testing and care-related services.

The following HIV morbidity estimates may have been affected by the COVID-19 pandemic in 2020.

- Incidence (new HIV infections or transmissions) estimates might be lower due to significant declines in the number of new HIV diagnoses.
- Declines in HIV diagnoses might not represent declines in new HIV infections, but rather decreases and/or delays in testing or changes in testing modality (e.g., self-testing).
- Caution should be used when interpreting prevalence (people living with HIV) estimates. Fewer HIV diagnoses and more deaths (resulting in lower prevalence) may be due to COVID-19 and not HIV activities.
- Declines in linkage to care, retention in care, and viral suppression estimates may be due to lack of laboratory testing during care visits (e.g., telemedicine) and/or changes in testing modality (e.g., self-testing).

The table below describes year-over-year changes in the aggregate estimates of HIV in Maryland. Important to note, the reporting lag for complete death data is longer than the six months utilized for HIV surveillance data. As a result, the percent change in the number of deaths is considered normal for recent years. Updated mortality estimates will be reflected in future reports.

Estimate	Data Year			Percent Change Year to Year	
	2018	2019	2020	2018 to 2019	2019 to 2020
	HIV Diagnoses	1,023	925	725	-9.6%
AIDS Diagnoses	523	486	395	-7.1%	-18.7%
Deaths	492	388	361	-21.1%	-7.0%
Estimated HIV Incidence*	760	830	690	9.2%	-16.9%
Estimated Percent Undiagnosed*	11.2%	10.7%	10.1%	-4.5%	-5.6%
People Living with Diagnosed HIV	31,863	31,772	31,719	-0.3%	-0.2%
Retention in Care	70.5%	71.8%	69.1%	1.8%	-3.8%
Viral Suppression	59.6%	62.2%	59.8%	4.3%	-3.9%

*Estimates are for 2017-2019 (the most recent years available). Care engagement estimates are among people living with diagnosed HIV.

Undiagnosed HIV Infections

The Centers for Disease Control and Prevention (CDC), using national surveillance data, estimates that the number of people living with undiagnosed HIV infection, among people living with HIV, is 13.3 percent in the United States.¹ Applying the same estimation method to Maryland surveillance data, the estimated number of people living with undiagnosed HIV infection in Maryland is 10.1 percent in 2019.

AIDS Diagnoses

CD4+ T-lymphocyte tests are measures of a person's immune system function. An adult living with diagnosed HIV is considered to have AIDS if they have less than 200 CD4+ cells per microliter of blood, if the percent of T-Lymphocyte cells that are CD4+ is less than 14 percent, or if a person has been diagnosed with an opportunistic infection.

Mortality

People are assumed to be alive unless reported as deceased. Caution should be exercised when interpreting mortality estimates for recent years due to delays in reporting of non-AIDS deaths and out-of-state deaths. Most deaths are reported within two years.

Engagement in HIV Care

Treatment recommendations are that a person in HIV medical care should have their CD4 and viral load levels

measured regularly, at least once per year. The presence of these lab tests is used as an indicator that someone has been “linked to care” after diagnosis or is “retained in care.”

Viral Suppression

Viral load tests are measures of the amount of HIV in a person's body. The goal of HIV treatment is to have a low number of copies of virus per milliliter of blood, below what the test can measure, which is called an undetectable level. Low levels of viral load, such as less than 200 copies per milliliter of blood, is known as viral suppression. Estimates of viral suppression among people living with diagnosed HIV are inclusive of people diagnosed in the specified year; therefore, they may not have had sufficient time to engage in HIV care and/or achieve viral suppression.

Geographic Distribution

Residence at diagnosis is used exclusively to describe new diagnoses. Statistics describing the number of people living with diagnosed HIV use current residence. Current residence numbers are restricted to people for which there is a case report form or laboratory test reported since January 1, 2009. Restricting address data to recent years presents the most accurate data available and helps to account for people that may have moved out of state whose data would no longer be reported in Maryland. However, current residence data excludes people that may still be residents of Maryland but have not received any HIV care since prior to 2009. In addition, residence is dynamic and people living with diagnosed HIV may have resided at multiple addresses that cannot all be represented in single time point estimates.

Residents of Correctional Facilities

New diagnoses of HIV and people living with diagnosed HIV who were reported to be residing in local jails or detention centers are presented, whenever possible, as residing at their home address. New diagnoses of HIV and people living with diagnosed HIV who were reported to be residing in a state or federal prison in Maryland are presented as residing in a separate “Corrections” jurisdiction.

¹Centers for Disease Control and Prevention. Estimated HIV incidence and prevalence in the United States, 2015–2019. HIV Surveillance Supplemental Report 2021;26(No. 1). <http://www.cdc.gov/hiv/library/reports/hiv-surveillance.html>. Published May 2021. Accessed May 2021.

Gender Identity

This epidemiological profile describes people by gender identity. Gender identity is one's internal understanding of one's own gender or the gender with which a person identifies. Historically, it has been difficult to present data by gender identity. No reliable system exists for collecting or reporting gender identity and some agencies do not collect or have complete data on gender identity. This report is likely underreporting the number gender diverse people (defined as people who have a gender identity or gender expression that differs from their assigned sex at birth) living with diagnosed HIV because of challenges in accurately identifying and reporting gender identity in HIV surveillance.

Race/Ethnicity

The completeness of reporting for race/ethnicity is variable in surveillance data. Definitions of race/ethnicity categories may vary across reporting sources and some reporting sources do not collect or have complete data on race/ethnicity.

Country of Birth

The completeness of reporting a person's country of birth is variable in surveillance data. Not all reporting sources collect or have complete data on nativity. In addition, some individuals may immigrate to the United States with HIV. HIV testing data from other countries is often unavailable for these people; therefore, they are counted as a new diagnosis following their first HIV related lab test in the United States, even if they were first diagnosed elsewhere.

HIV Exposure Categories

The CDC developed a hierarchy of exposure categories for surveillance purposes. Persons with more than one reported risk factor are classified in the exposure category listed first in the hierarchy and therefore counted only once. Men who report a history of sexual contact with other men and report injection drug use constitutes a separate transmission category.

Sources of Data

Information on HIV and AIDS diagnoses, including residence, age, race/ethnicity, sex at birth, gender identity, country of birth, vital status, HIV exposure

category, and CD4 and HIV viral load test results are from MDH's Enhanced HIV/AIDS Reporting System (eHARS), as of June 30, 2021.

Population data by sex, age, and race/ethnicity are from the July 1, 2020 United States Census Estimates. Population data by country-of-birth are from the Census Bureau's 2019 American Community Survey. This produces a difference in total population due to the different source. Due to estimation limitations, some population totals may not equal the sum of its components. When needed, age groups were divided by assuming uniform age distribution within the age group. Non-Hispanic multiple race and Non-Hispanic other race from the Census were combined into one group.

Tabulation of Column Totals

Numbers in figures, tables and generally in the text have been rounded. Discrepancies in tables between totals and sums of components are due to rounding.

Data Suppression

In order to protect the confidentiality of people living with HIV, data are suppressed in the following instances:

- Data describing a demographic group or geographic area (e.g. ZIP code) with a population less than 1,000 people.
- All clinical/laboratory information if it is describing less than five people.
- If any cell is suppressed, additional cells are also suppressed as necessary to prevent back calculation of the suppressed cell(s).

Tables presenting clinical/laboratory information for reported new diagnoses by ZIP code will present only ZIP codes with at least five people. Exposure/risk data is not suppressed due to statistical adjustments resulting in the presentation of estimated or probable risk.

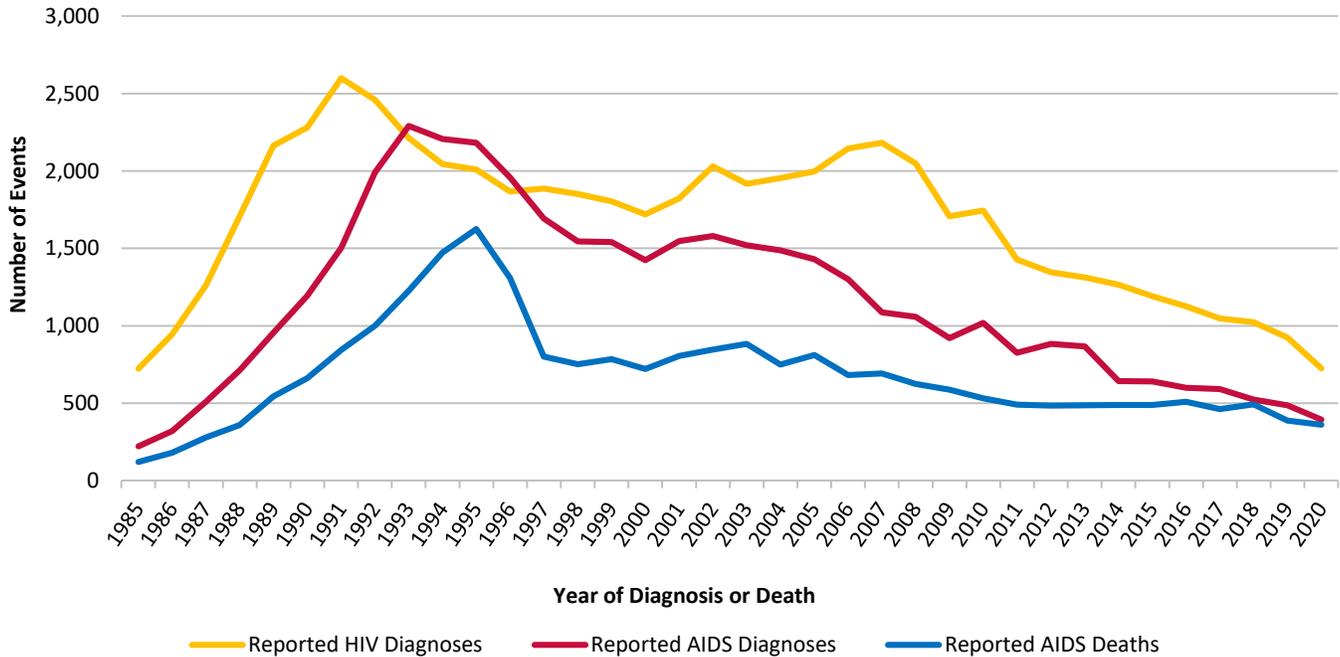
Multiple Imputation

Not all exposure data is reported and is therefore missing in some instances. Multiple imputation is a statistical method by which missing exposure categories are replaced with estimated or probable exposure categories. Perinatal transmission and other exposure categories are never estimated or adjusted and depict the reported exposure category.

Section II – Trends 1985-2020

Figure 1 – Trends in Reported HIV and AIDS Diagnoses and Deaths, among Residents at Diagnosis, 1985-2020, Reported through June 30, 2021

People Diagnosed with HIV (Reported HIV Diagnoses) by Year of HIV Diagnosis, People Diagnosed with HIV with an AIDS Diagnosis (Reported AIDS Diagnoses) by Year of AIDS Diagnosis, and People Diagnosed with HIV with an AIDS Diagnosis Reported to have Died of Any Cause (Reported AIDS Deaths) by Year of Death, from 1985 through 2020, as Reported through June 30, 2021



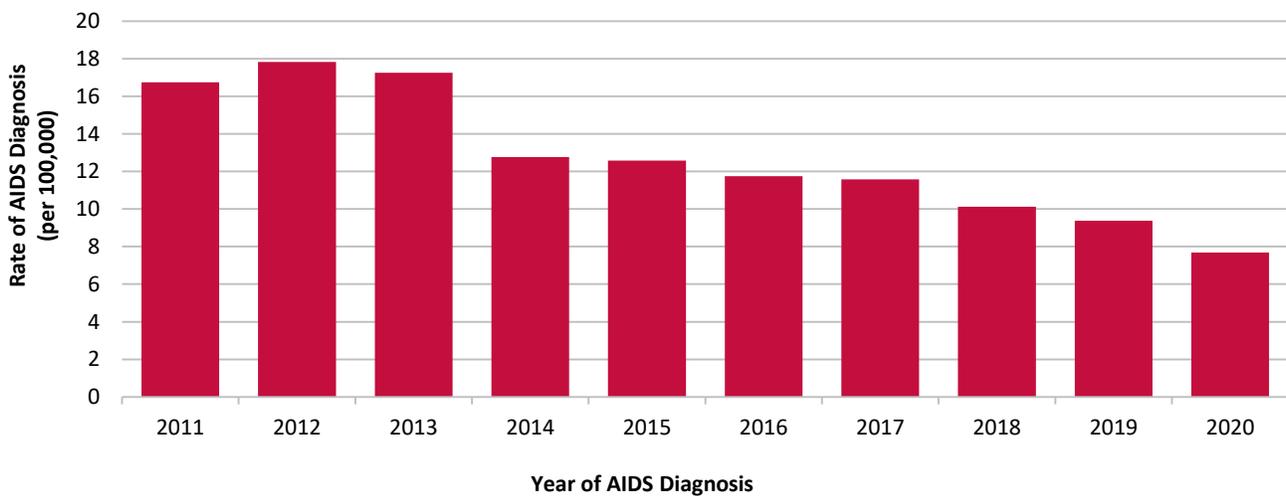
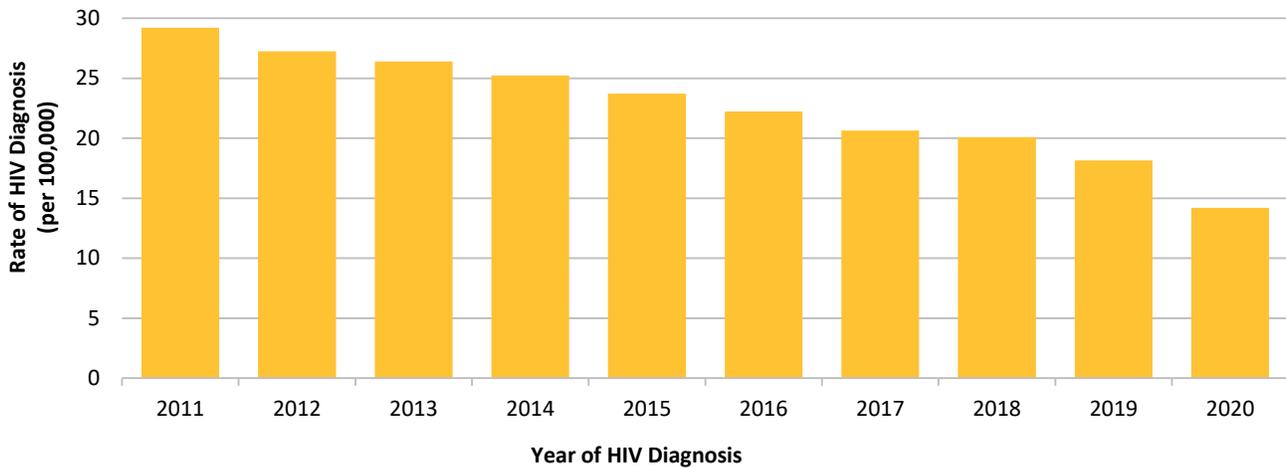
Year of Diagnosis or Death	Reported HIV Diagnoses	Reported AIDS Diagnoses	Reported AIDS Deaths	Year of Diagnosis or Death	Reported HIV Diagnoses	Reported AIDS Diagnoses	Reported AIDS Deaths
<1985	386	149	72	2003	1,917	1,520	883
1985	723	221	121	2004	1,955	1,487	750
1986	944	320	180	2005	1,997	1,430	811
1987	1,261	510	279	2006	2,146	1,300	682
1988	1,708	712	360	2007	2,182	1,086	693
1989	2,163	956	544	2008	2,049	1,058	625
1990	2,281	1,194	662	2009	1,708	920	588
1991	2,600	1,504	845	2010	1,745	1,020	532
1992	2,459	1,990	1,001	2011	1,428	825	490
1993	2,212	2,291	1,226	2012	1,345	883	485
1994	2,045	2,207	1,473	2013	1,313	867	486
1995	2,010	2,182	1,626	2014	1,266	642	489
1996	1,868	1,959	1,308	2015	1,191	641	488
1997	1,886	1,694	801	2016	1,125	599	510
1998	1,851	1,545	751	2017	1,048	591	463
1999	1,804	1,540	785	2018	1,023	523	492
2000	1,720	1,423	721	2019*	925	486	388
2001	1,822	1,547	806	2020*	725	395	361
2002	2,031	1,580	847	Total	60,862	41,797	24,624

*2019-2020 reported AIDS deaths are preliminary.

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Figure 1A – Trends in Rates of Reported HIV and AIDS Diagnoses, among Residents at Diagnosis Aged 13+, 2011-2020, Reported through June 30, 2021

Rates of Reported HIV and AIDS Diagnoses, Aged 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 2011 through 2020, as Reported through June 30, 2021

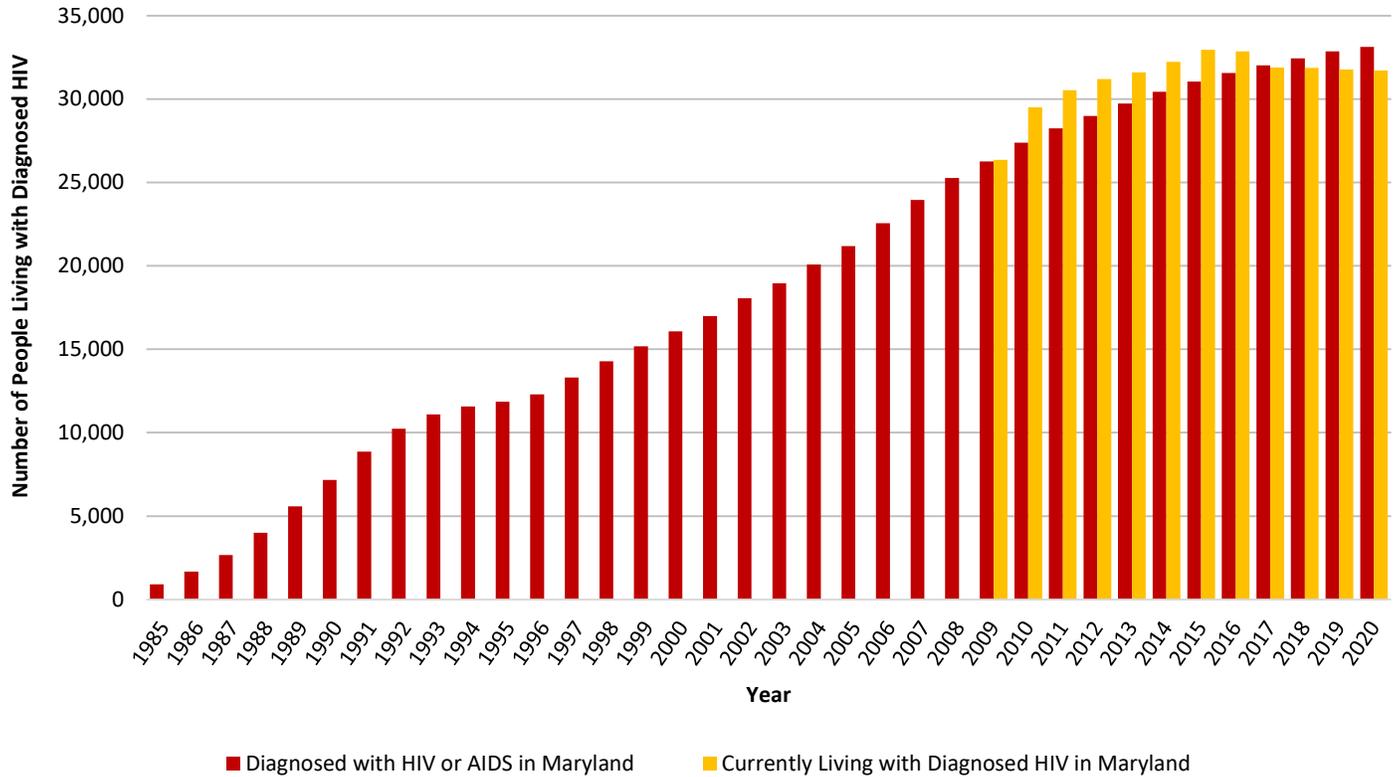


Year of Diagnosis	Population Aged 13+	Reported Diagnoses among People Aged 13+			
		HIV Diagnoses		AIDS Diagnoses	
		Number	Rate	Number	Rate
2011	4,878,860	1,425	29.2	817	16.7
2012	4,924,980	1,342	27.2	878	17.8
2013	4,961,211	1,310	26.4	856	17.3
2014	4,992,540	1,260	25.2	637	12.8
2015	5,021,929	1,191	23.7	632	12.6
2016	5,040,917	1,121	22.2	592	11.7
2017	5,063,009	1,045	20.6	586	11.6
2018	5,078,738	1,020	20.1	514	10.1
2019	5,093,122	925	18.2	478	9.4
2020	5,098,929	724	14.2	392	7.7

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Figure 2 – Trends in People Living with Diagnosed HIV, among Residents at Diagnosis, 1985-2020, Reported through June 30, 2021

People Living with Diagnosed HIV in Maryland and Not Reported to have Died as of December 31st of Each Year (People who were Diagnosed with HIV or AIDS in Maryland and/or People who are Currently Living with Diagnosed HIV in Maryland) from 1985 through 2020, as Reported through June 30, 2021

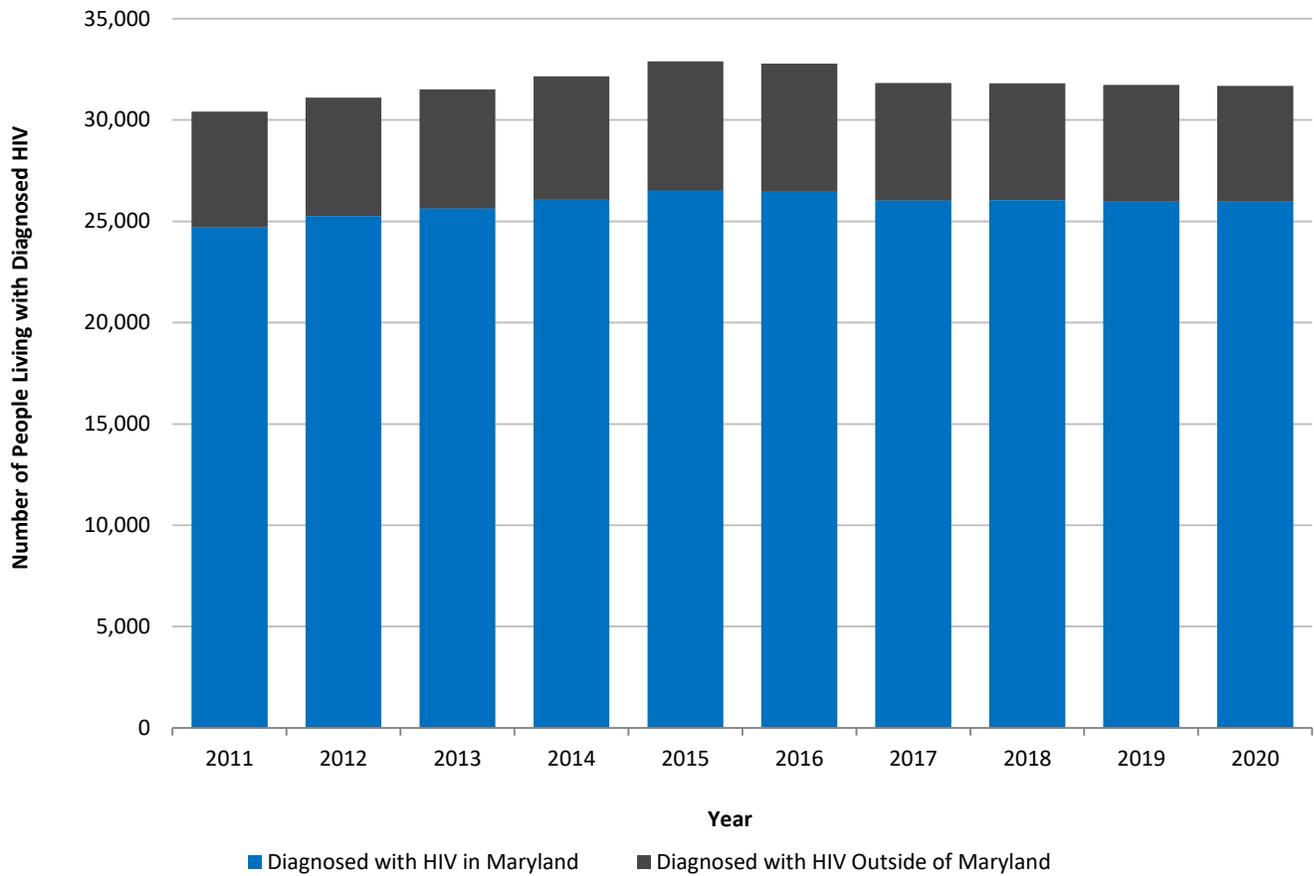


Year	People Living with Diagnosed HIV		Year	People Living with Diagnosed HIV	
	Diagnosed with HIV or AIDS in Maryland	Current Residents		Diagnosed with HIV or AIDS in Maryland	Current Residents
1985	917	--	2003	18,960	--
1986	1,676	--	2004	20,075	--
1987	2,660	--	2005	21,191	--
1988	3,991	--	2006	22,554	--
1989	5,579	--	2007	23,952	--
1990	7,167	--	2008	25,264	--
1991	8,860	--	2009	26,264	26,353
1992	10,232	--	2010	27,387	29,495
1993	11,099	--	2011	28,243	30,529
1994	11,570	--	2012	28,997	31,206
1995	11,852	--	2013	29,739	31,608
1996	12,304	--	2014	30,435	32,232
1997	13,300	--	2015	31,052	32,964
1998	14,288	--	2016	31,559	32,862
1999	15,174	--	2017	32,025	31,895
2000	16,070	--	2018	32,431	31,863
2001	16,983	--	2019	32,862	31,772
2002	18,065	--	2020	33,129	31,719

Note. Current residence for people living with diagnosed HIV is unavailable prior to 2009.

Figure 3 – Trends in People Aged 13+ Living with Diagnosed HIV, among Current Residents, 2011-2020, Reported through June 30, 2021

People Living with Diagnosed HIV in Maryland and Not Reported to have Died as of December 31st of Each Year from 2011 through 2020, as Reported through June 30, 2021



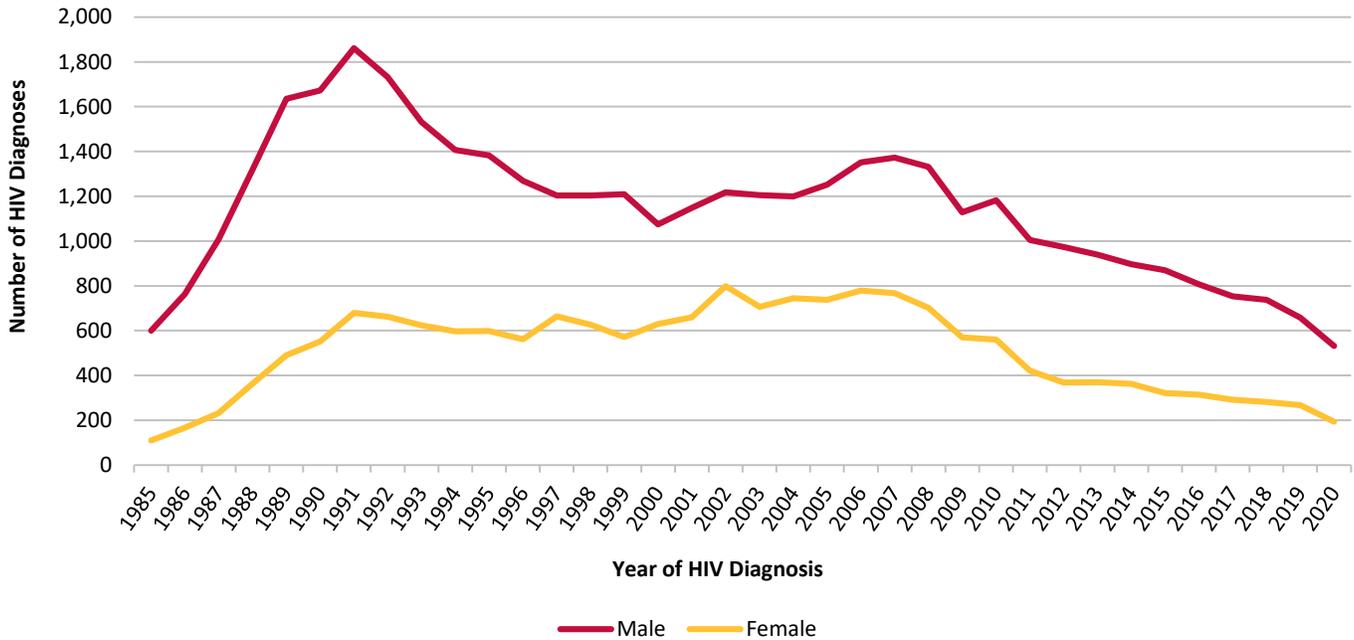
Year	Population Aged 13+	Maryland Residents Aged 13+ as of December 31st of the Specified Year		Total	Rate
		Diagnosed with HIV in Maryland	Diagnosed with HIV Outside of Maryland		
2011	4,878,860	24,701	5,703	30,404	623.2
2012	4,924,980	25,257	5,838	31,095	631.4
2013	4,961,211	25,621	5,892	31,513	635.2
2014	4,992,540	26,064	6,083	32,147	643.9
2015	5,021,929	26,508	6,384	32,892	655.0
2016	5,040,917	26,446	6,339	32,785	650.4
2017	5,063,009	26,015	5,808	31,823	628.5
2018	5,078,738	26,052	5,750	31,802	626.2
2019	5,093,122	25,974	5,747	31,721	622.8
2020	5,098,929	25,963	5,713	31,676	621.2

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

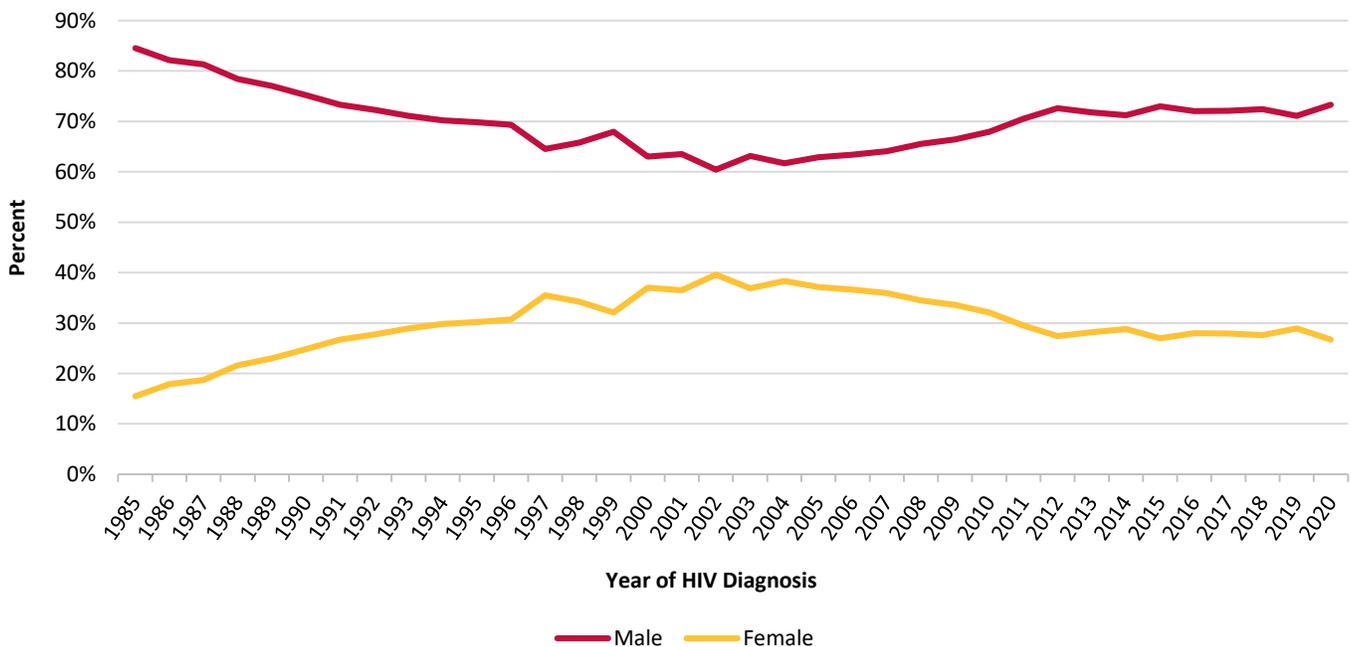
Figure 4 – Trends in Reported HIV Diagnoses, among Residents at Diagnosis Aged 13+, by Sex at Birth, 1985-2020, Reported through June 30, 2021

Number and Percent by Sex at Birth of People Diagnosed with HIV, Aged 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2020, as Reported through June 30, 2021

Reported HIV Diagnoses Among People Aged 13+ by Sex at Birth, 1985-2020, Reported through June 30, 2021



Reported HIV Diagnoses Among People Aged 13+ by Sex at Birth, 1985-2020, Reported through June 30, 2021



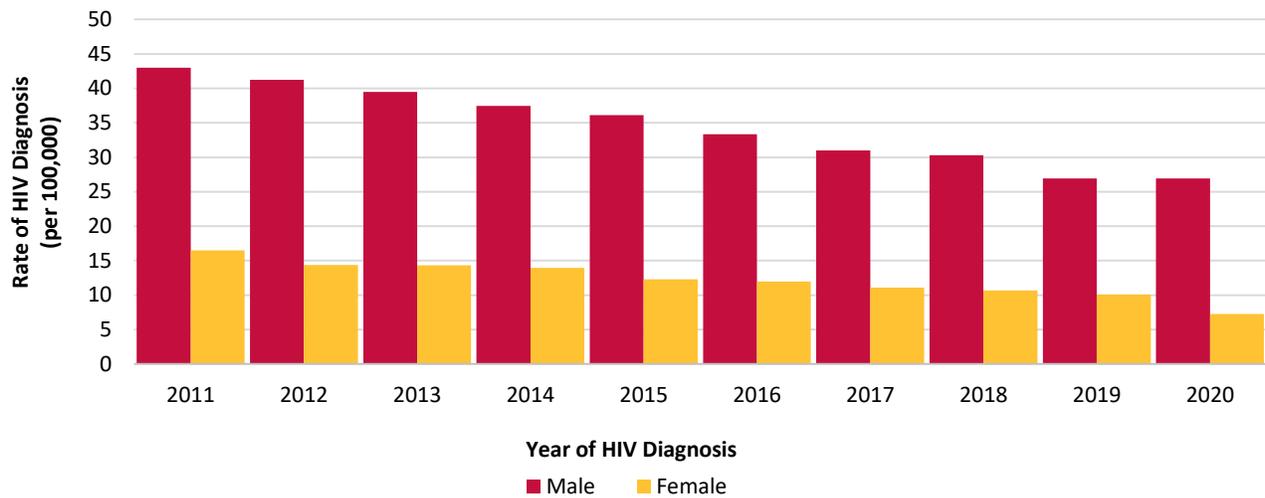
Reported HIV Diagnoses among People Aged 13+

Year of HIV Diagnosis	Number	Sex at Birth			
		Male		Female	
		Number	Percent	Number	Percent
<1985	381	338	88.7%	43	11.3%
1985	710	600	84.5%	110	15.5%
1986	929	763	82.1%	166	17.9%
1987	1,239	1,007	81.3%	232	18.7%
1988	1,680	1,317	78.4%	363	21.6%
1989	2,126	1,636	77.0%	490	23.0%
1990	2,225	1,673	75.2%	552	24.8%
1991	2,541	1,862	73.3%	679	26.7%
1992	2,394	1,732	72.3%	662	27.7%
1993	2,156	1,532	71.1%	624	28.9%
1994	2,004	1,407	70.2%	597	29.8%
1995	1,981	1,382	69.8%	599	30.2%
1996	1,831	1,269	69.3%	562	30.7%
1997	1,868	1,204	64.5%	664	35.5%
1998	1,831	1,204	65.8%	627	34.2%
1999	1,780	1,209	67.9%	571	32.1%
2000	1,704	1,074	63.0%	630	37.0%
2001	1,808	1,148	63.5%	660	36.5%
2002	2,017	1,218	60.4%	799	39.6%
2003	1,911	1,205	63.1%	706	36.9%
2004	1,944	1,200	61.7%	744	38.3%
2005	1,989	1,252	62.9%	737	37.1%
2006	2,131	1,352	63.4%	779	36.6%
2007	2,139	1,372	64.1%	767	35.9%
2008	2,034	1,332	65.5%	702	34.5%
2009	1,698	1,128	66.4%	570	33.6%
2010	1,742	1,182	67.9%	560	32.1%
2011	1,425	1,005	70.5%	420	29.5%
2012	1,342	974	72.6%	368	27.4%
2013	1,310	940	71.8%	370	28.2%
2014	1,260	897	71.2%	363	28.8%
2015	1,191	870	73.0%	321	27.0%
2016	1,121	807	72.0%	314	28.0%
2017	1,045	753	72.1%	292	27.9%
2018	1,020	738	72.4%	282	27.6%
2019	925	658	71.1%	267	28.9%
2020	724	531	73.3%	193	26.7%
Total	60,156	41,771	69.4%	18,385	30.6%

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Figure 4A – Trends in Rates of Reported HIV Diagnoses, among Residents at Diagnosis Aged 13+, by Sex at Birth, 2011-2020, Reported through June 30, 2021

Rate by Sex at Birth of People Diagnosed with HIV, Aged 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 2011 through 2020, as Reported through June 30, 2021

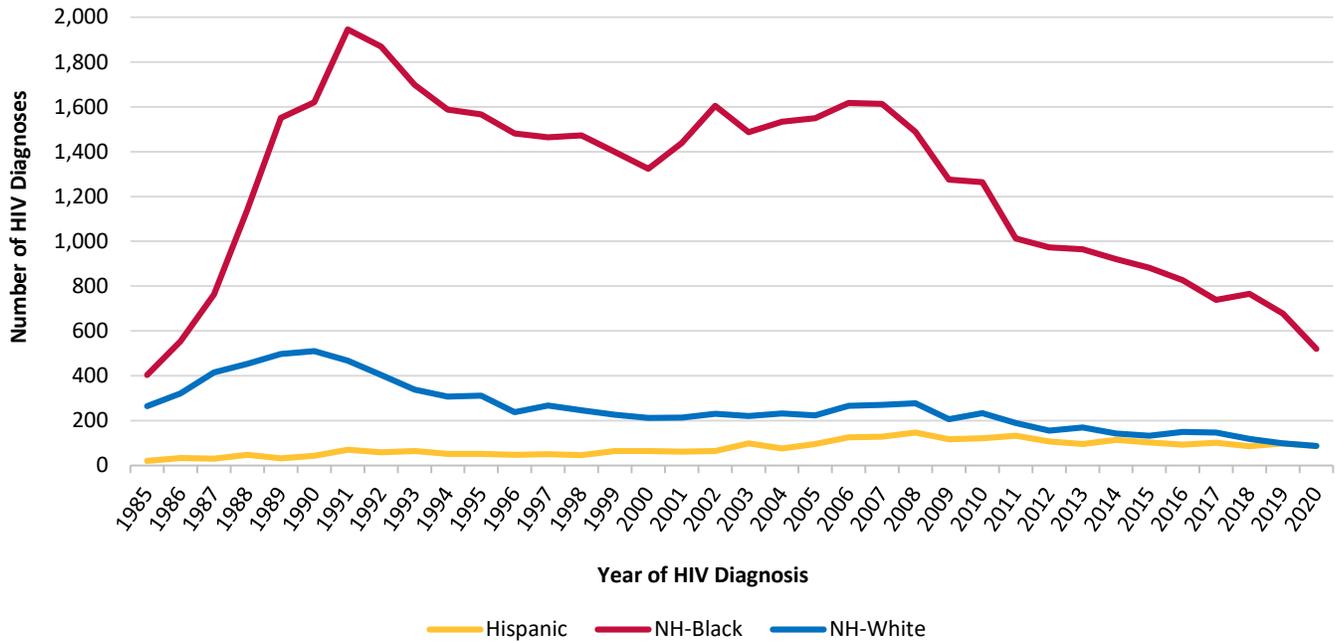


Year of HIV Diagnosis	Number of HIV Diagnoses		Sex at Birth	
			Male	Female
2011	1,425	Population	2,336,691	2,542,169
		Reported Diagnoses	1,005	420
		Rate	43.0	16.5
2012	1,342	Population	2,360,904	2,564,076
		Reported Diagnoses	974	368
		Rate	41.3	14.4
2013	1,310	Population	2,379,302	2,581,909
		Reported Diagnoses	940	370
		Rate	39.5	14.3
2014	1,260	Population	2,394,279	2,598,261
		Reported Diagnoses	897	363
		Rate	37.5	14.0
2015	1,191	Population	2,409,041	2,612,888
		Reported Diagnoses	870	321
		Rate	36.1	12.3
2016	1,121	Population	2,418,756	2,622,161
		Reported Diagnoses	807	314
		Rate	33.4	12.0
2017	1,045	Population	2,429,119	2,633,890
		Reported Diagnoses	753	292
		Rate	31.0	11.1
2018	1,020	Population	2,435,546	2,643,191
		Reported Diagnoses	738	282
		Rate	30.3	10.7
2019	925	Population	2,441,821	2,651,301
		Reported Diagnoses	658	267
		Rate	26.9	10.1
2020	724	Population	2,444,160	2,654,769
		Reported Diagnoses	531	193
		Rate	21.7	7.3

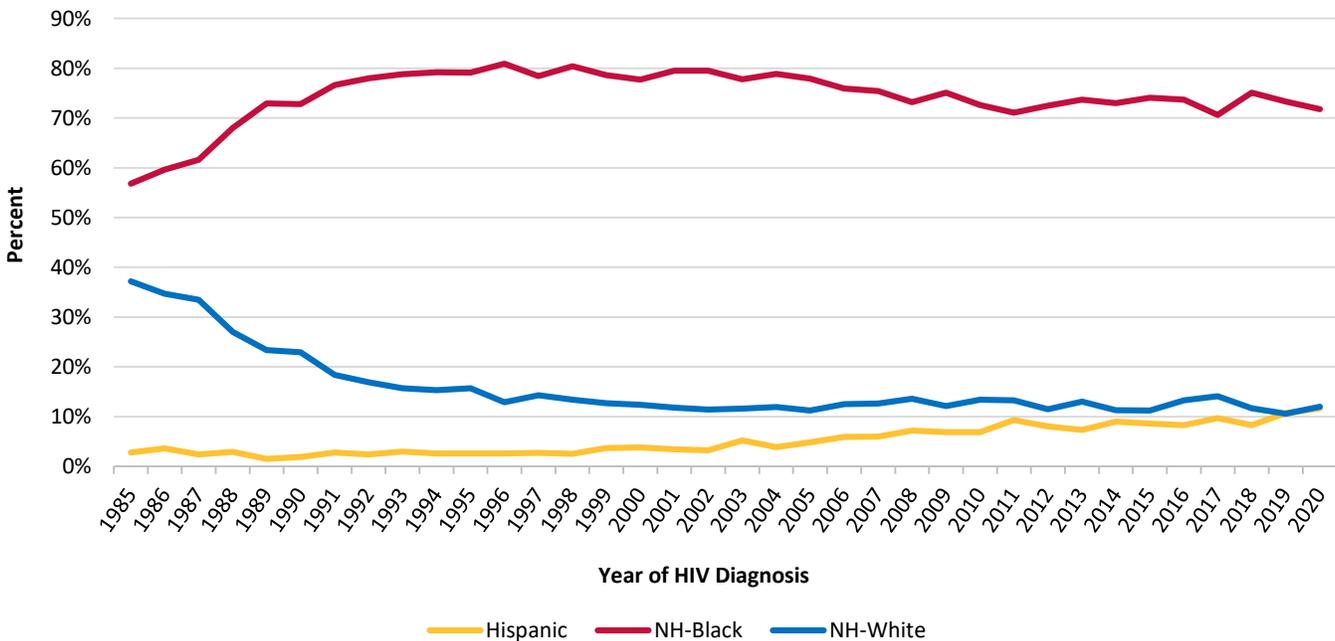
Figure 5 – Trends in Reported HIV Diagnoses, among Residents at Diagnosis Aged 13+, by Race/Ethnicity, 1985-2020, Reported through June 30, 2021

Number and Percent by Race/Ethnicity of People Diagnosed with HIV, Aged 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2020, as Reported through June 30, 2021

Reported HIV Diagnoses Among People Aged 13+ by Race/Ethnicity, 1985-2020, Reported through June 30, 2021



Reported HIV Diagnoses Among People Aged 13+ by Race/Ethnicity, 1985-2020, Reported through June 30, 2021



Non-Hispanic Other people not shown

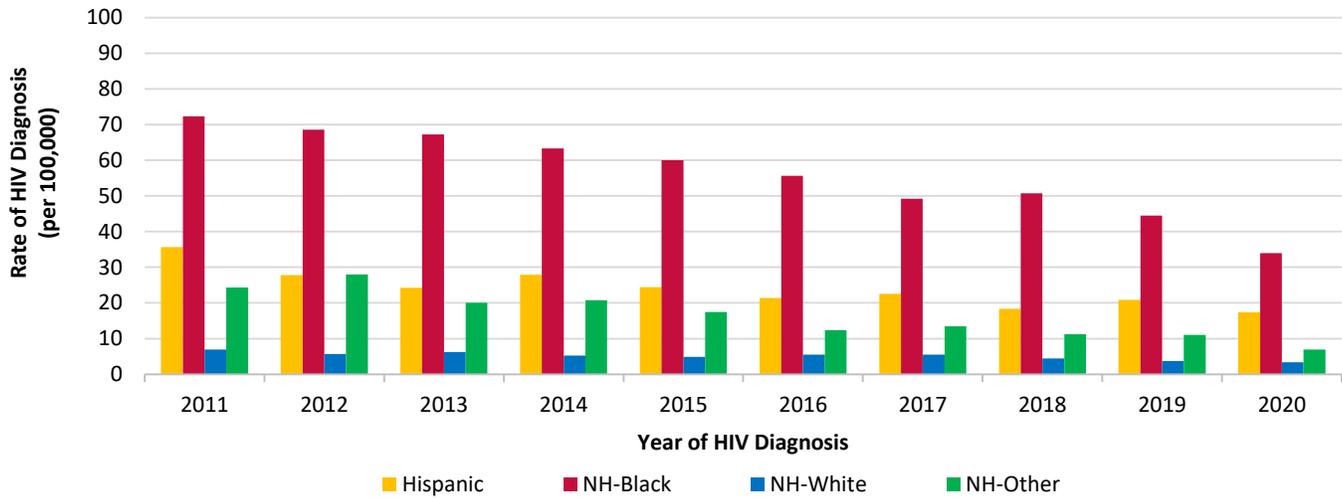
Reported HIV Diagnoses among People Aged 13+

Year of HIV Diagnosis	No.	Race/Ethnicity							
		Hispanic		Non-Hispanic Black, only		Non-Hispanic White, only		Non-Hispanic Other Race	
		No.	%	No.	%	No.	%	No.	%
<1985	381	11	2.9%	214	56.2%	142	37.3%	14	3.7%
1985	710	20	2.8%	403	56.8%	264	37.2%	23	3.2%
1986	929	33	3.6%	554	59.6%	322	34.7%	20	2.2%
1987	1,239	30	2.4%	763	61.6%	415	33.5%	31	2.5%
1988	1,680	48	2.9%	1,142	68.0%	453	27.0%	37	2.2%
1989	2,126	32	1.5%	1,550	72.9%	497	23.4%	47	2.2%
1990	2,225	43	1.9%	1,620	72.8%	510	22.9%	52	2.3%
1991	2,541	70	2.8%	1,946	76.6%	467	18.4%	58	2.3%
1992	2,394	58	2.4%	1,868	78.0%	404	16.9%	64	2.7%
1993	2,156	64	3.0%	1,699	78.8%	338	15.7%	55	2.6%
1994	2,004	52	2.6%	1,588	79.2%	307	15.3%	57	2.8%
1995	1,981	51	2.6%	1,566	79.1%	311	15.7%	53	2.7%
1996	1,831	48	2.6%	1,481	80.9%	237	12.9%	65	3.5%
1997	1,868	50	2.7%	1,464	78.4%	267	14.3%	87	4.7%
1998	1,831	46	2.5%	1,473	80.4%	246	13.4%	66	3.6%
1999	1,780	65	3.7%	1,399	78.6%	226	12.7%	90	5.1%
2000	1,704	64	3.8%	1,324	77.7%	212	12.4%	104	6.1%
2001	1,808	62	3.4%	1,438	79.5%	213	11.8%	95	5.3%
2002	2,017	65	3.2%	1,604	79.5%	230	11.4%	118	5.9%
2003	1,911	99	5.2%	1,487	77.8%	221	11.6%	104	5.4%
2004	1,944	76	3.9%	1,533	78.9%	232	11.9%	103	5.3%
2005	1,989	96	4.8%	1,549	77.9%	223	11.2%	121	6.1%
2006	2,131	126	5.9%	1,617	75.9%	266	12.5%	122	5.7%
2007	2,139	128	6.0%	1,613	75.4%	270	12.6%	128	6.0%
2008	2,034	147	7.2%	1,488	73.2%	277	13.6%	122	6.0%
2009	1,698	117	6.9%	1,275	75.1%	206	12.1%	100	5.9%
2010	1,742	121	6.9%	1,264	72.6%	233	13.4%	124	7.1%
2011	1,425	133	9.3%	1,013	71.1%	189	13.3%	90	6.3%
2012	1,342	107	8.0%	973	72.5%	155	11.5%	107	8.0%
2013	1,310	96	7.3%	965	73.7%	170	13.0%	79	6.0%
2014	1,260	114	9.0%	920	73.0%	142	11.3%	84	6.7%
2015	1,191	103	8.6%	882	74.1%	133	11.2%	73	6.1%
2016	1,121	93	8.3%	826	73.7%	149	13.3%	53	4.7%
2017	1,045	101	9.7%	738	70.6%	147	14.1%	59	5.6%
2018	1,020	85	8.3%	766	75.1%	119	11.7%	50	4.9%
2019	925	99	10.7%	678	73.3%	98	10.6%	50	5.4%
2020	724	85	11.7%	520	71.8%	87	12.0%	32	4.4%
Total	60,156	2,838	4.7%	45,203	75.1%	9,378	15.6%	2,737	4.5%

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Figure 5A – Trends in Rates of Reported HIV Diagnoses, among Residents at Diagnosis Aged 13+, by Race/Ethnicity, 2011-2020, Reported through June 30, 2021

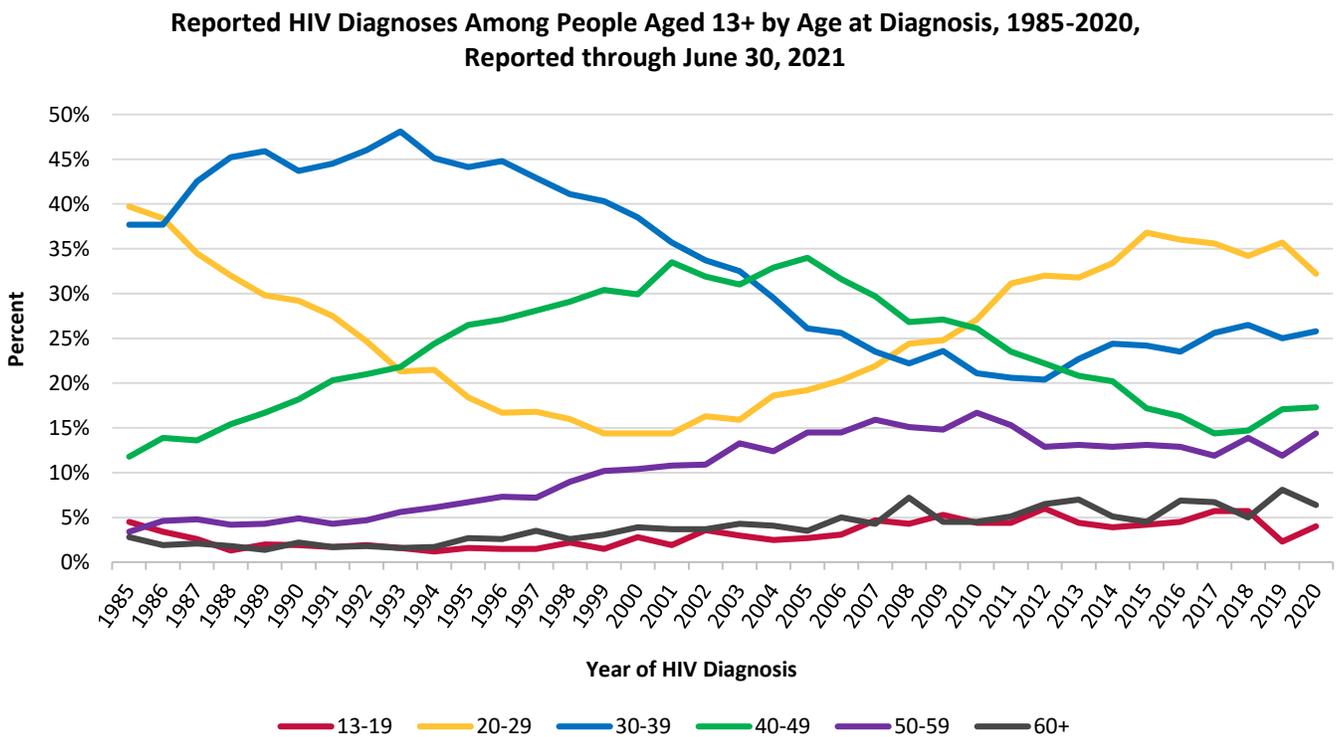
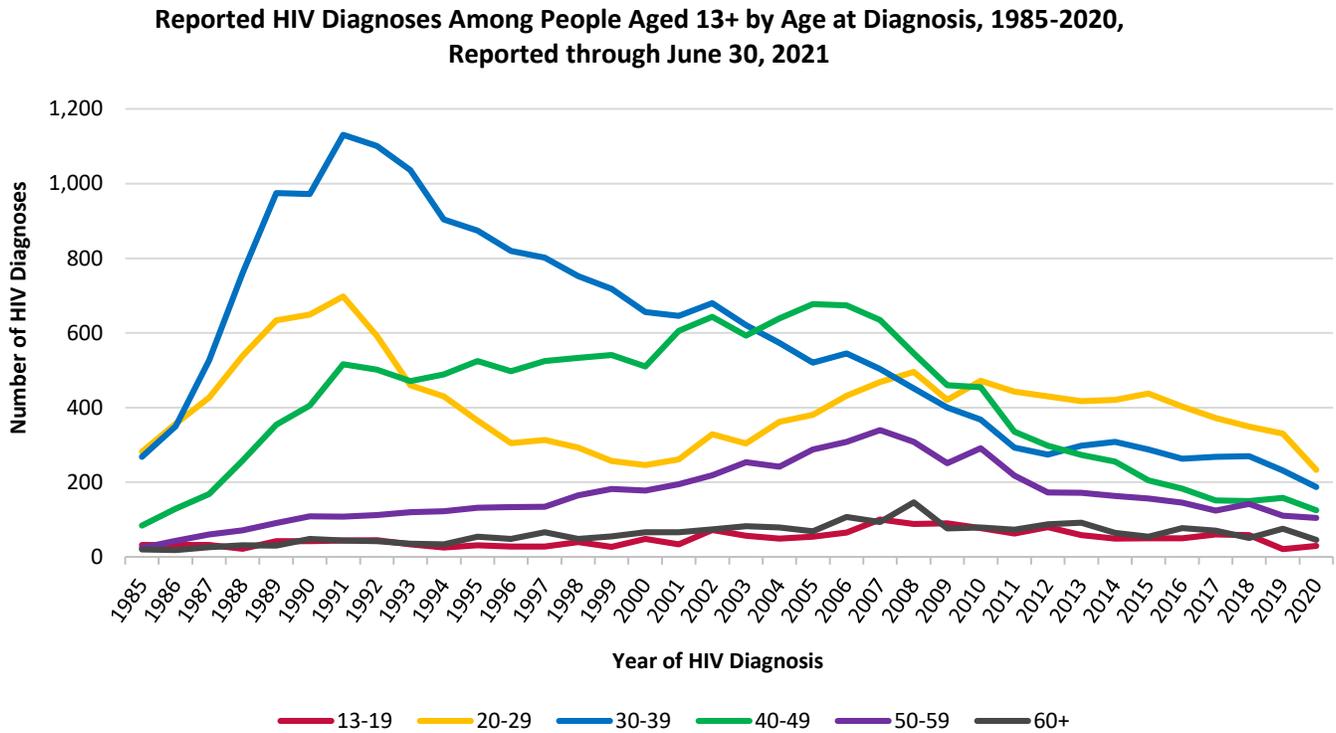
Rate by Race/Ethnicity of People Diagnosed with HIV, Aged 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 2011 through 2020, as Reported through June 30, 2021



Year of HIV Diagnosis	Number of HIV Diagnoses		Race/Ethnicity			
			Hispanic	Non-Hispanic Black	Non-Hispanic White	Non-Hispanic Other Race
2011	1,425	Population	372,813	1,400,496	2,735,648	369,903
		Reported Diagnoses	133	1,013	189	90
		Rate	35.7	72.3	6.9	24.3
2012	1,342	Population	384,868	1,418,349	2,739,366	382,396
		Reported Diagnoses	107	973	155	107
		Rate	27.8	68.6	5.7	28.0
2013	1,310	Population	396,380	1,435,641	2,735,584	393,606
		Reported Diagnoses	96	965	170	79
		Rate	24.2	67.2	6.2	20.1
2014	1,260	Population	408,930	1,453,048	2,725,445	405,117
		Reported Diagnoses	114	920	142	84
		Rate	27.9	63.3	5.2	20.7
2015	1,191	Population	422,337	1,470,497	2,711,626	417,470
		Reported Diagnoses	103	882	133	73
		Rate	24.4	60.0	4.9	17.5
2016	1,121	Population	435,049	1,484,080	2,694,390	427,398
		Reported Diagnoses	93	826	149	53
		Rate	21.4	55.7	5.5	12.4
2017	1,045	Population	448,948	1,498,932	2,676,865	438,264
		Reported Diagnoses	101	738	147	59
		Rate	22.5	49.2	5.5	13.5
2018	1,020	Population	463,031	1,511,026	2,658,661	446,020
		Reported Diagnoses	85	766	119	50
		Rate	18.4	50.7	4.5	11.2
2019	925	Population	475,671	1,523,333	2,639,640	454,478
		Reported Diagnoses	99	678	98	50
		Rate	20.8	44.5	3.7	11.0
2020	724	Population	488,360	1,531,914	2,617,024	461,631
		Reported Diagnoses	85	520	87	32
		Rate	17.4	33.9	3.3	6.9

Figure 6 – Trends in Reported HIV Diagnoses, among Residents at Diagnosis Aged 13+, by Age at HIV Diagnosis, 1985-2020, Reported through June 30, 2021

Number and Percent by Age at HIV Diagnosis of People Diagnosed with HIV, Aged 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2020, as Reported through June 30, 2021



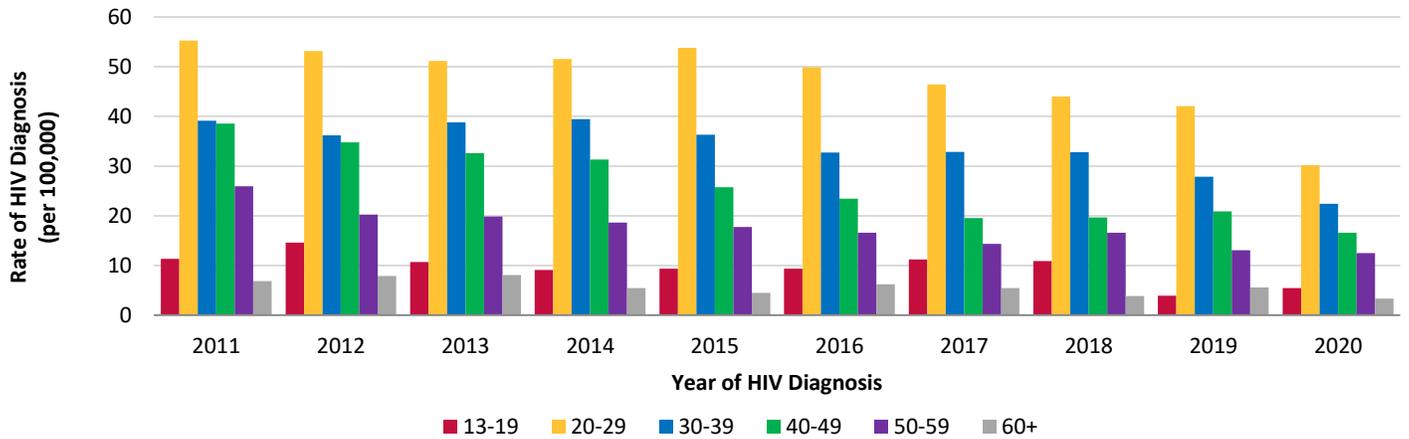
Reported HIV Diagnoses among People Aged 13+

Year of HIV Diagnosis	No.	Age at HIV Diagnosis											
		13-19		20-29		30-39		40-49		50-59		60+	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<1985	381	33	8.7%	157	41.2%	114	29.9%	54	14.2%	19	5.0%	4	1.0%
1985	710	32	4.5%	282	39.7%	268	37.7%	84	11.8%	24	3.4%	20	2.8%
1986	929	32	3.4%	357	38.4%	350	37.7%	129	13.9%	43	4.6%	18	1.9%
1987	1,239	32	2.6%	427	34.5%	526	42.5%	168	13.6%	60	4.8%	26	2.1%
1988	1,680	22	1.3%	538	32.0%	760	45.2%	258	15.4%	71	4.2%	31	1.8%
1989	2,126	42	2.0%	634	29.8%	975	45.9%	354	16.7%	91	4.3%	30	1.4%
1990	2,225	42	1.9%	649	29.2%	972	43.7%	405	18.2%	109	4.9%	48	2.2%
1991	2,541	44	1.7%	698	27.5%	1,131	44.5%	516	20.3%	108	4.3%	44	1.7%
1992	2,394	45	1.9%	592	24.7%	1,101	46.0%	502	21.0%	112	4.7%	42	1.8%
1993	2,156	34	1.6%	460	21.3%	1,036	48.1%	471	21.8%	120	5.6%	35	1.6%
1994	2,004	25	1.2%	430	21.5%	904	45.1%	489	24.4%	122	6.1%	34	1.7%
1995	1,981	31	1.6%	365	18.4%	874	44.1%	525	26.5%	132	6.7%	54	2.7%
1996	1,831	28	1.5%	305	16.7%	820	44.8%	497	27.1%	133	7.3%	48	2.6%
1997	1,868	28	1.5%	313	16.8%	802	42.9%	525	28.1%	134	7.2%	66	3.5%
1998	1,831	40	2.2%	293	16.0%	752	41.1%	533	29.1%	165	9.0%	48	2.6%
1999	1,780	27	1.5%	257	14.4%	718	40.3%	541	30.4%	182	10.2%	55	3.1%
2000	1,704	48	2.8%	246	14.4%	656	38.5%	510	29.9%	178	10.4%	66	3.9%
2001	1,808	34	1.9%	261	14.4%	646	35.7%	606	33.5%	195	10.8%	66	3.7%
2002	2,017	72	3.6%	329	16.3%	680	33.7%	643	31.9%	219	10.9%	74	3.7%
2003	1,911	57	3.0%	304	15.9%	621	32.5%	593	31.0%	254	13.3%	82	4.3%
2004	1,944	49	2.5%	362	18.6%	573	29.5%	639	32.9%	242	12.4%	79	4.1%
2005	1,989	54	2.7%	381	19.2%	520	26.1%	677	34.0%	288	14.5%	69	3.5%
2006	2,131	65	3.1%	432	20.3%	545	25.6%	674	31.6%	308	14.5%	107	5.0%
2007	2,139	100	4.7%	468	21.9%	503	23.5%	635	29.7%	340	15.9%	93	4.3%
2008	2,034	88	4.3%	496	24.4%	451	22.2%	545	26.8%	308	15.1%	146	7.2%
2009	1,698	90	5.3%	421	24.8%	400	23.6%	460	27.1%	251	14.8%	76	4.5%
2010	1,742	77	4.4%	472	27.1%	368	21.1%	455	26.1%	291	16.7%	79	4.5%
2011	1,425	63	4.4%	443	31.1%	293	20.6%	335	23.5%	218	15.3%	73	5.1%
2012	1,342	80	6.0%	430	32.0%	274	20.4%	298	22.2%	173	12.9%	87	6.5%
2013	1,310	58	4.4%	417	31.8%	298	22.7%	273	20.8%	172	13.1%	92	7.0%
2014	1,260	49	3.9%	421	33.4%	308	24.4%	255	20.2%	163	12.9%	64	5.1%
2015	1,191	50	4.2%	438	36.8%	288	24.2%	205	17.2%	156	13.1%	54	4.5%
2016	1,121	50	4.5%	403	36.0%	263	23.5%	183	16.3%	145	12.9%	77	6.9%
2017	1,045	60	5.7%	372	35.6%	268	25.6%	151	14.4%	124	11.9%	70	6.7%
2018	1,020	58	5.7%	349	34.2%	270	26.5%	150	14.7%	142	13.9%	51	5.0%
2019	925	21	2.3%	330	35.7%	231	25.0%	158	17.1%	110	11.9%	75	8.1%
2020	724	29	4.0%	233	32.2%	187	25.8%	125	17.3%	104	14.4%	46	6.4%
Total	60,156	1,789	3.0%	14,765	24.5%	20,746	34.5%	14,621	24.3%	6,006	10.0%	2,229	3.7%

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Figure 6A – Trends in Rates of Reported HIV Diagnoses, among Residents at Diagnosis Aged 13+, by Age at Diagnosis, 2011-2020, Reported through June 30, 2021

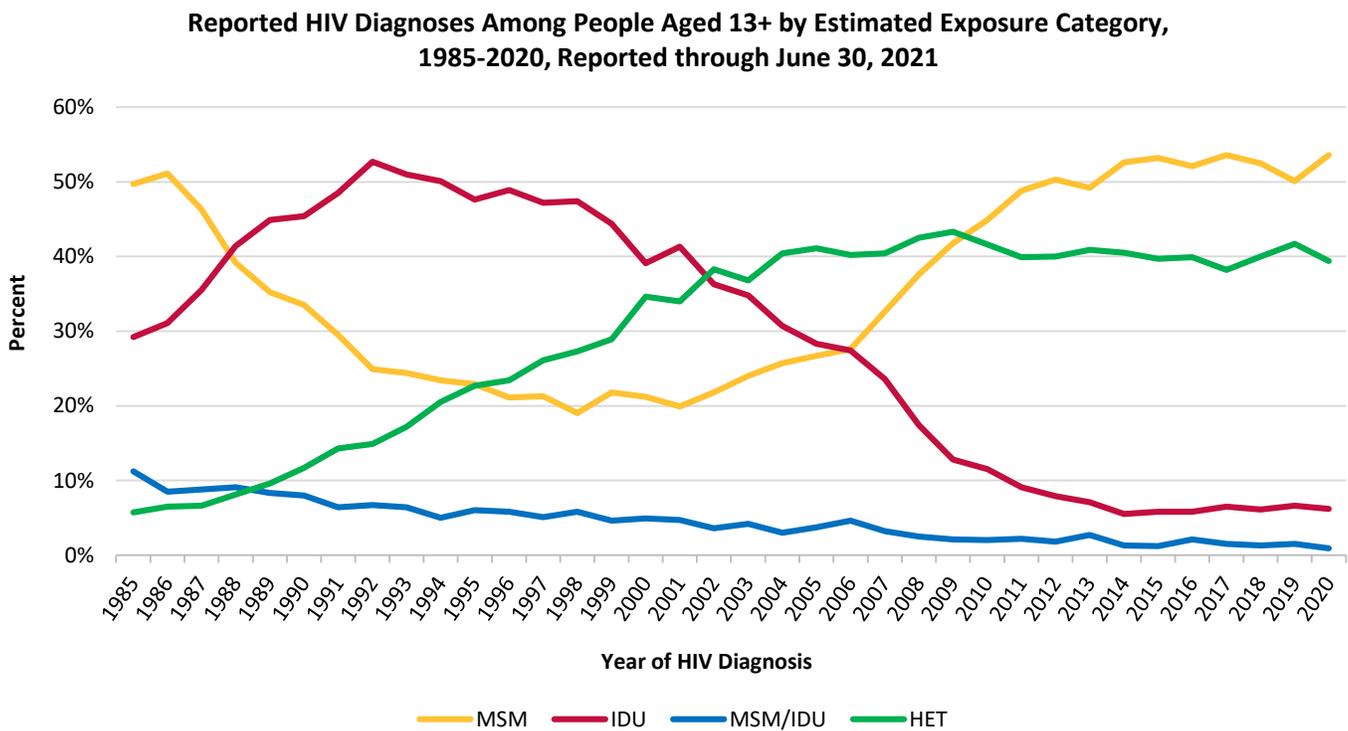
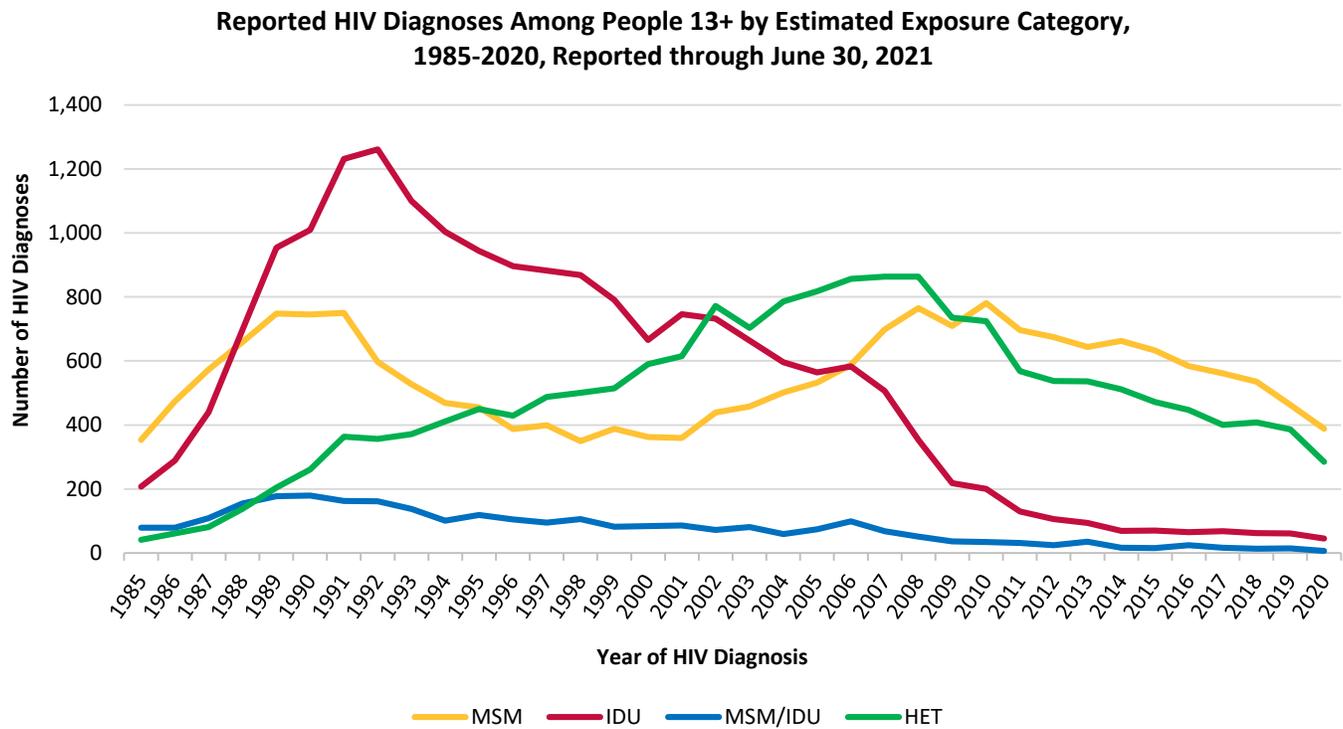
Rate by Age at HIV Diagnosis of People Diagnosed with HIV, Aged 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 2011 through 2020, as Reported through June 30, 2021



Year of HIV Diagnosis	Number of HIV Diagnoses	Mean Age at HIV Diagnosis	Age at HIV Diagnosis						
			13-19	20-29	30-39	40-49	50-59	60+	
2011	1,425	37.4	Population	554,180	801,542	748,250	868,769	840,036	1,066,083
			Reported Diagnoses	63	443	293	335	218	73
			Rate	11.4	55.3	39.2	38.6	26.0	6.8
2012	1,342	37.0	Population	547,915	809,056	756,584	856,658	854,566	1,100,201
			Reported Diagnoses	80	430	274	298	173	87
			Rate	14.6	53.1	36.2	34.8	20.2	7.9
2013	1,310	37.4	Population	541,500	814,847	768,312	837,069	865,573	1,133,910
			Reported Diagnoses	58	417	298	273	172	92
			Rate	10.7	51.2	38.8	32.6	19.9	8.1
2014	1,260	36.6	Population	537,142	816,944	780,326	814,074	874,523	1,169,531
			Reported Diagnoses	49	421	308	255	163	64
			Rate	9.1	51.5	39.5	31.3	18.6	5.5
2015	1,191	35.9	Population	534,944	814,501	793,252	796,477	877,522	1,205,233
			Reported Diagnoses	50	438	288	205	156	54
			Rate	9.3	53.8	36.3	25.7	17.8	4.5
2016	1,121	36.4	Population	534,093	807,509	804,218	781,347	873,547	1,240,203
			Reported Diagnoses	50	403	263	183	145	77
			Rate	9.4	49.9	32.7	23.4	16.6	6.2
2017	1,045	35.8	Population	533,423	801,338	815,174	771,858	865,054	1,276,162
			Reported Diagnoses	60	372	268	151	124	70
			Rate	11.2	46.4	32.9	19.6	14.3	5.5
2018	1,020	36.0	Population	532,757	792,899	823,588	763,396	854,227	1,311,871
			Reported Diagnoses	58	349	270	150	142	51
			Rate	10.9	44.0	32.8	19.6	16.6	3.9
2019	925	37.1	Population	531,748	784,733	829,866	757,393	842,069	1,347,313
			Reported Diagnoses	21	330	231	158	110	75
			Rate	3.9	42.1	27.8	20.9	13.1	5.6
2020	724	37.0	Population	528,662	773,005	833,899	753,555	830,791	1,379,017
			Reported Diagnoses	29	233	187	125	104	46
			Rate	5.5	30.1	22.4	16.6	12.5	3.3

Figure 7 – Trends in Reported HIV Diagnoses, among Residents at Diagnosis Aged 13+, by Estimated Exposure Category, 1985-2020, Reported through June 30, 2021

Number and Percent by Estimated Exposure Category[§] of People Diagnosed with HIV, Aged 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2020, as Reported through June 30, 2021



Other exposure category not shown.

§ Multiple imputation was used to estimate and adjust for missing exposure category.

Reported HIV Diagnoses among People Aged 13+

Year of HIV Diagnosis	No.	% with No Reported Exposure [‡]	Estimated Exposure Category [§]									
			MSM		IDU		MSM/IDU		HET		Other Exposure	
			No.	%	No.	%	No.	%	No.	%	No.	%
<1985	381	5.2%	223	58.6%	86	22.5%	38	10.1%	20	5.2%	14	3.7%
1985	710	4.9%	353	49.7%	207	29.2%	79	11.2%	41	5.7%	30	4.2%
1986	929	3.1%	474	51.1%	289	31.1%	79	8.5%	61	6.5%	26	2.8%
1987	1,239	3.1%	573	46.3%	440	35.5%	109	8.8%	81	6.6%	36	2.9%
1988	1,680	3.8%	659	39.2%	696	41.4%	154	9.1%	137	8.1%	35	2.1%
1989	2,126	3.6%	748	35.2%	954	44.9%	177	8.3%	204	9.6%	43	2.0%
1990	2,225	4.2%	745	33.5%	1,010	45.4%	179	8.0%	261	11.7%	30	1.3%
1991	2,541	4.7%	750	29.5%	1,232	48.5%	162	6.4%	363	14.3%	35	1.4%
1992	2,394	6.0%	597	24.9%	1,261	52.7%	161	6.7%	356	14.9%	19	0.8%
1993	2,156	4.4%	527	24.4%	1,100	51.0%	137	6.4%	371	17.2%	21	1.0%
1994	2,004	5.2%	469	23.4%	1,004	50.1%	101	5.0%	411	20.5%	20	1.0%
1995	1,981	6.3%	455	22.9%	944	47.6%	119	6.0%	450	22.7%	14	0.7%
1996	1,831	7.0%	387	21.1%	896	48.9%	105	5.8%	429	23.4%	14	0.8%
1997	1,868	8.4%	399	21.3%	882	47.2%	95	5.1%	488	26.1%	5	0.3%
1998	1,831	8.5%	349	19.0%	868	47.4%	106	5.8%	500	27.3%	9	0.5%
1999	1,780	9.2%	388	21.8%	791	44.4%	82	4.6%	514	28.9%	5	0.3%
2000	1,704	9.9%	362	21.2%	666	39.1%	84	4.9%	590	34.6%	3	0.2%
2001	1,808	9.9%	359	19.9%	746	41.3%	86	4.7%	615	34.0%	2	0.1%
2002	2,017	11.2%	439	21.8%	732	36.3%	72	3.6%	772	38.3%	2	0.1%
2003	1,911	10.4%	458	24.0%	664	34.8%	81	4.2%	703	36.8%	4	0.2%
2004	1,944	13.4%	501	25.7%	596	30.7%	59	3.0%	786	40.4%	3	0.2%
2005	1,989	16.6%	532	26.7%	564	28.3%	74	3.7%	818	41.1%	2	0.1%
2006	2,131	21.2%	588	27.6%	583	27.4%	99	4.6%	857	40.2%	4	0.2%
2007	2,139	24.2%	698	32.6%	506	23.6%	68	3.2%	864	40.4%	3	0.1%
2008	2,034	30.9%	765	37.6%	353	17.4%	51	2.5%	864	42.5%	1	0.0%
2009	1,698	31.4%	709	41.8%	218	12.8%	36	2.1%	735	43.3%	0	0.0%
2010	1,742	33.1%	781	44.9%	200	11.5%	34	2.0%	724	41.6%	1	0.1%
2011	1,425	30.7%	696	48.8%	130	9.1%	31	2.2%	568	39.9%	0	0.0%
2012	1,342	20.3%	675	50.3%	106	7.9%	24	1.8%	537	40.0%	1	0.1%
2013	1,310	16.0%	644	49.2%	94	7.1%	35	2.7%	536	40.9%	1	0.1%
2014	1,260	14.4%	663	52.6%	69	5.5%	16	1.3%	511	40.5%	1	0.1%
2015	1,191	9.6%	633	53.2%	70	5.8%	15	1.2%	472	39.7%	1	0.1%
2016	1,121	14.5%	584	52.1%	65	5.8%	24	2.1%	447	39.9%	1	0.1%
2017	1,045	14.7%	561	53.6%	68	6.5%	16	1.5%	400	38.2%	1	0.1%
2018	1,020	13.6%	535	52.5%	62	6.1%	13	1.3%	408	40.0%	2	0.2%
2019	925	18.8%	463	50.1%	61	6.6%	14	1.5%	386	41.7%	1	0.1%
2020	724	33.8%	388	53.6%	45	6.2%	6	0.9%	285	39.4%	0	0.0%
Total	60,156	12.8%	20,130	33.5%	19,258	32.0%	2,821	4.7%	17,565	29.2%	390	0.6%

§ Multiple imputation was used to estimate and adjust for missing transmission category.

[‡]Percent with no reported exposure prior to multiple imputation adjustment.

Note. Discrepancies in the table between total HIV diagnoses and the sums by exposure category are due to less than 1 percent of people missing transmission category after multiple imputation.

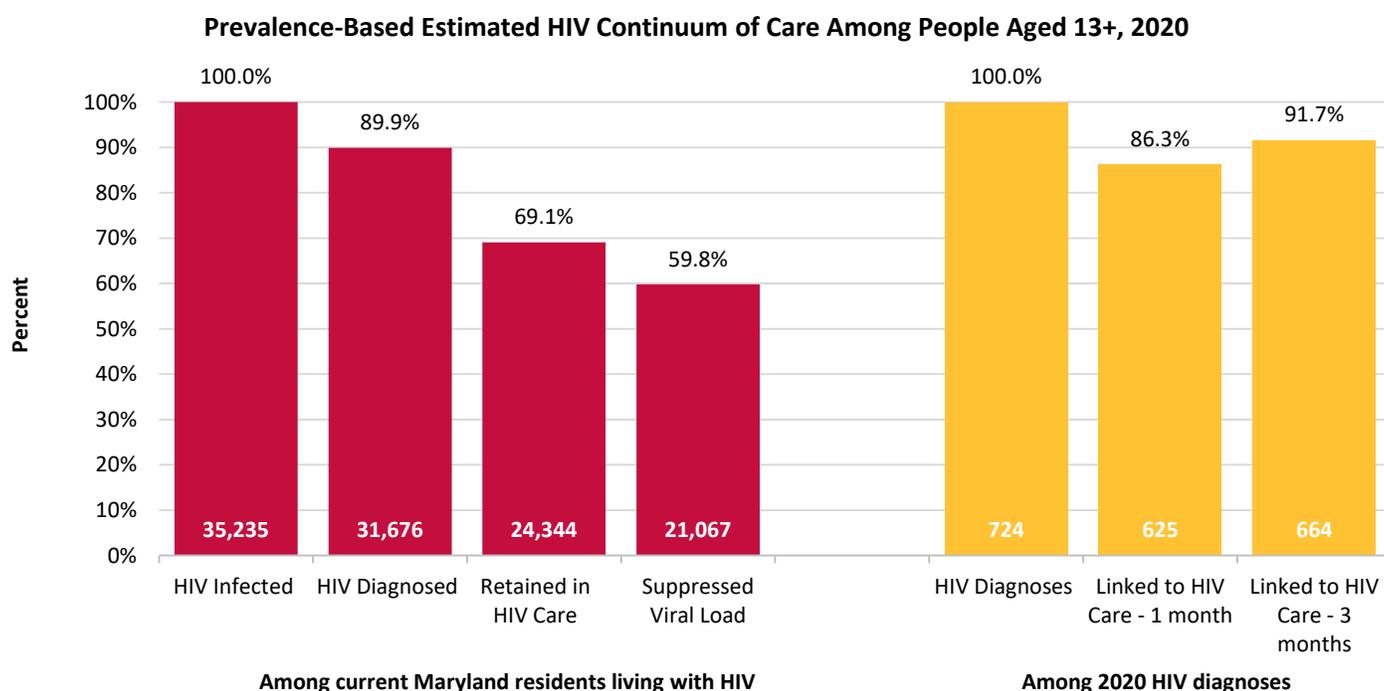
Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Section III – Continuum of Care Cascades

In their 2011 article in *Clinical Infectious Diseases*, Gardner et al.¹ utilize a continuum of care “cascade” to illustrate estimates of the number of persons living with HIV who belong to each of the stages of engagement in HIV care.

Figure 8 – Prevalence-Based Estimated 2020 HIV Continuum of Care Cascades, among Current Maryland Residents Aged 13+, Reported through June 30, 2021

The prevalence-based Maryland Engagement in HIV Care Cascades (below) apply the CDC CD4 depletion model to Maryland surveillance data, reported through June 30, 2021, to estimate the number of people living with undiagnosed HIV (10.1 percent) and the estimated number of people living with HIV currently residing in Maryland. Maryland surveillance data is then used to describe the number and percentage of persons living with HIV in Maryland on December 31, 2020 and the number and percentage of new HIV diagnoses in 2020 who belong to each of the stages of engagement in HIV care.

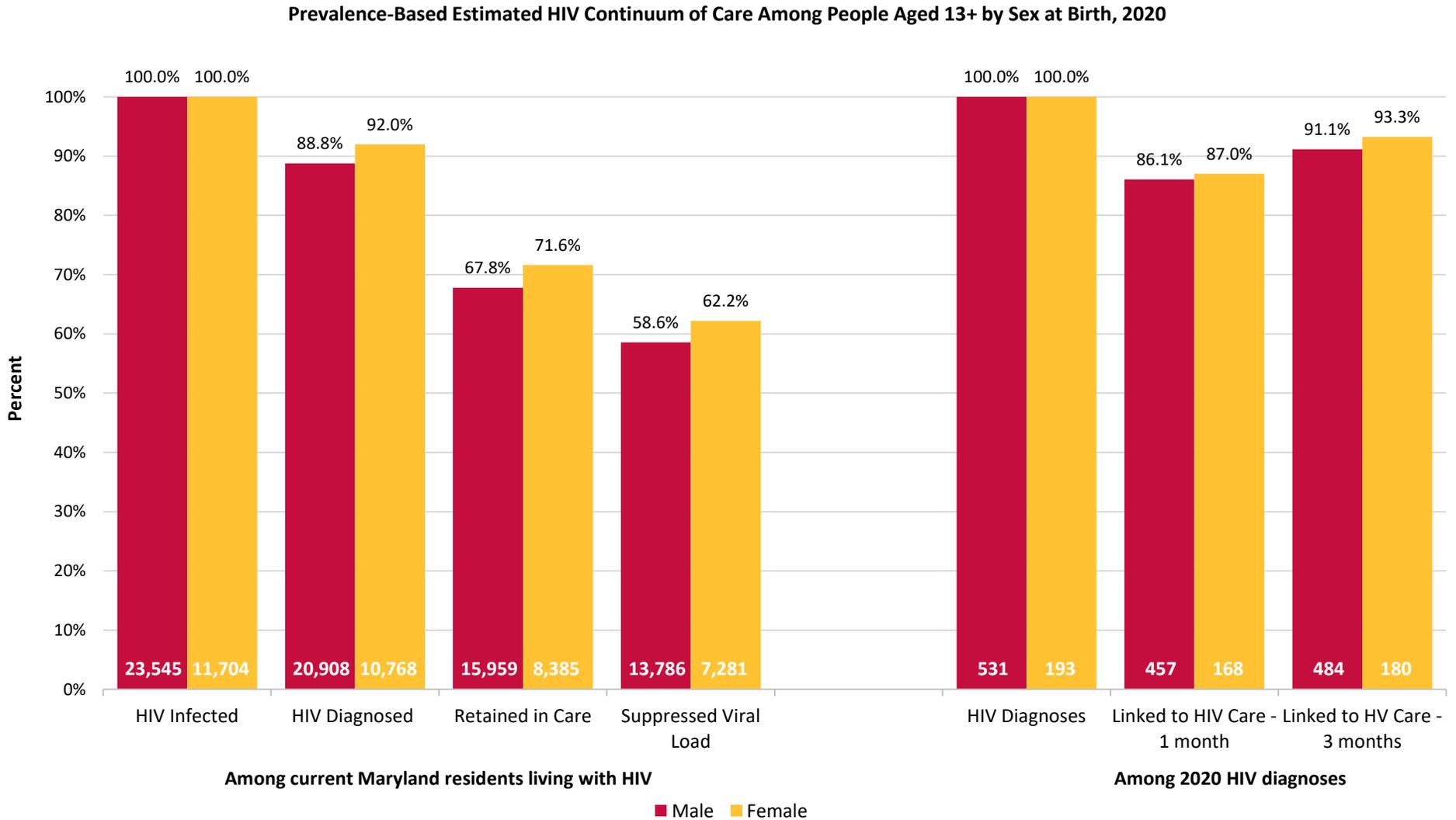


Continuum of Care Stage	People Aged 13+ Living with HIV		Continuum of Care Stage	Reported 2020 HIV Diagnoses	
	Number	Percent		Number	Percent
HIV Infected	35,235	100.0%	New HIV Diagnoses	724	100.0%
HIV Diagnosed	31,676	89.9%	Linked to HIV Care – 1 Month	625	86.3%
Retained in HIV Care	24,344	69.1%	Linked to HIV Care – 3 Months	664	91.7%
Suppressed Viral Load	21,067	59.8%			

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

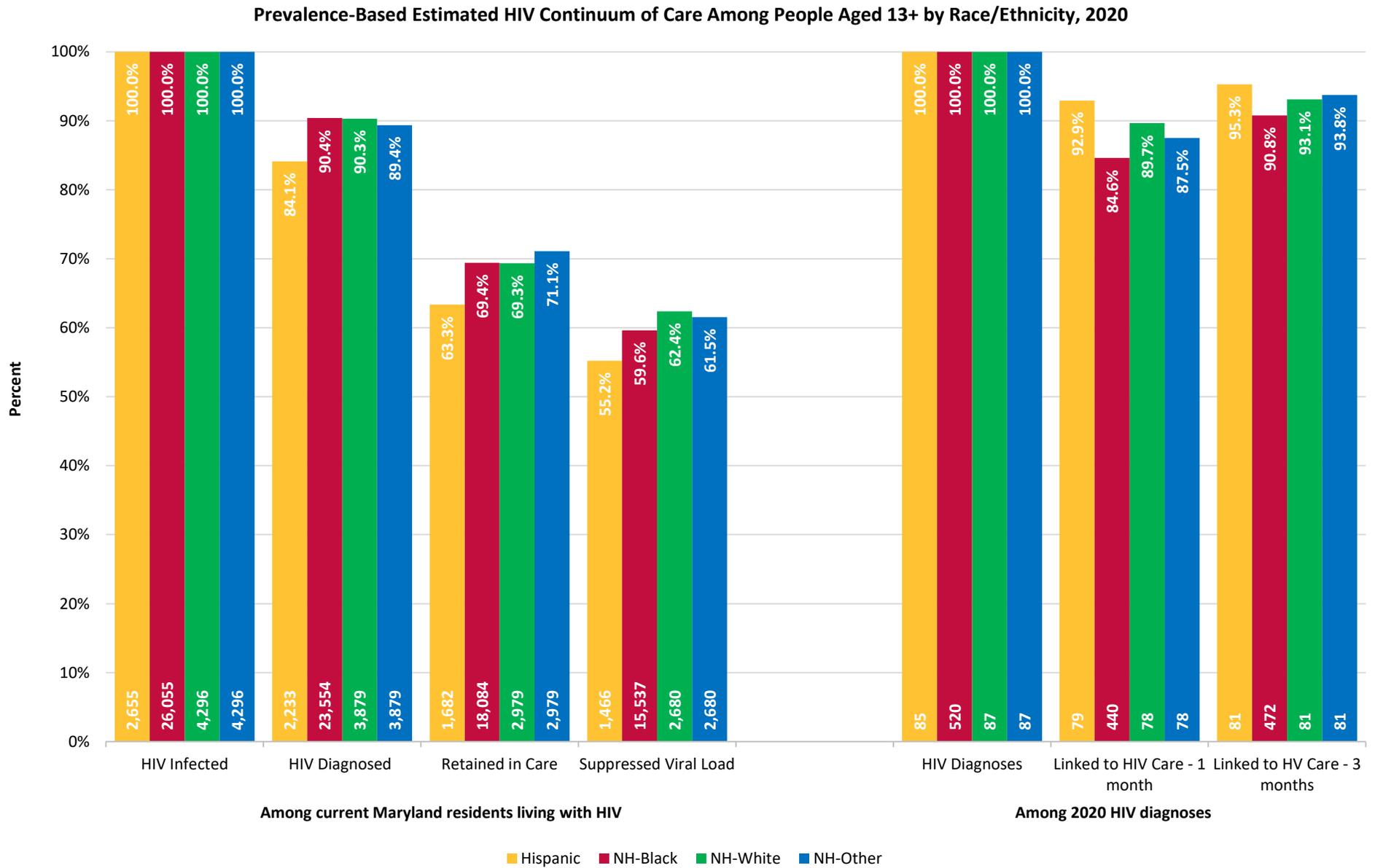
¹ Gardner et al, “The Spectrum of Engagement in HIV Care and its Relevance to Test-and-Treat Strategies for Prevention of HIV Infection.” *Clin Infect Dis*. 2011; 52 (6): 793-800.

Figure 8A – Prevalence-Based Estimated 2020 HIV Continuum of Care Cascades, among Current Maryland Residents Aged 13+, by Sex at Birth, Reported through June 30, 2021



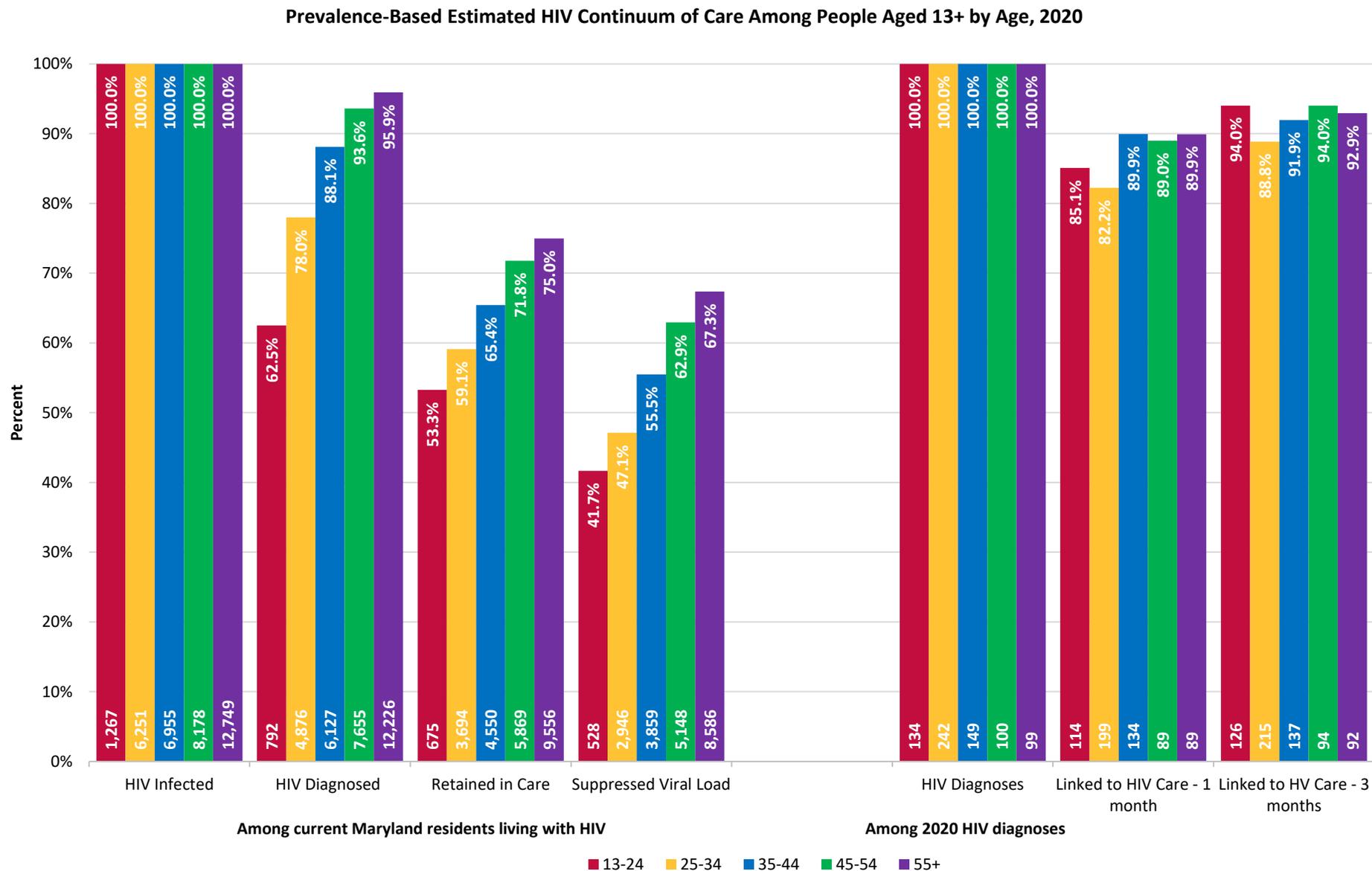
Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Figure 8B – Prevalence-Based Estimated 2020 HIV Continuum of Care Cascades, among Current Maryland Residents Aged 13+, by Race/Ethnicity, Reported through June 30, 2021



Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

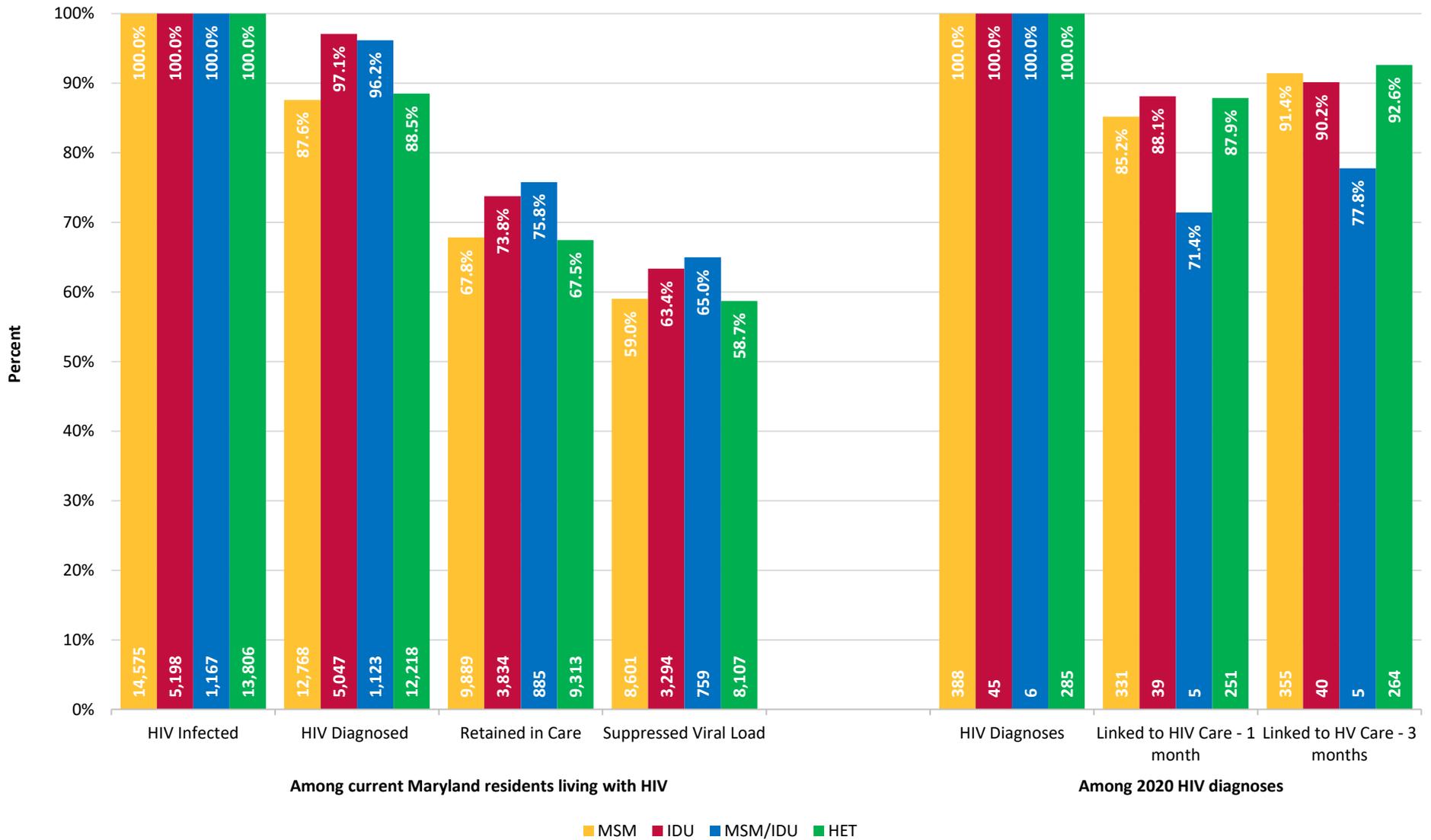
Figure 8C – Prevalence-Based Estimated 2020 HIV Continuum of Care Cascades, among Current Maryland Residents Aged 13+, by Age on December 31, 2020, Reported through June 30, 2021



Note. Age groups are consistent with the national standard presentation of the HIV continuum of care by age. A diagnosis-based continuum of care broken down by 10-year age groups is available on MDH HIV by Age Data Sheet. Age on December 31, 2020 was used for current Maryland residents. Age at HIV diagnosis was used for newly reported HIV diagnosis during the specified year. Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Figure 8D – Prevalence-Based Estimated 2020 HIV Continuum of Care Cascades, among Current Maryland Residents Aged 13+, by Estimated Exposure Category, Reported through June 30, 2021

Prevalence-Based Estimated HIV Continuum of Care Among People Aged 13+ by Estimated Exposure Category, 2020



Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

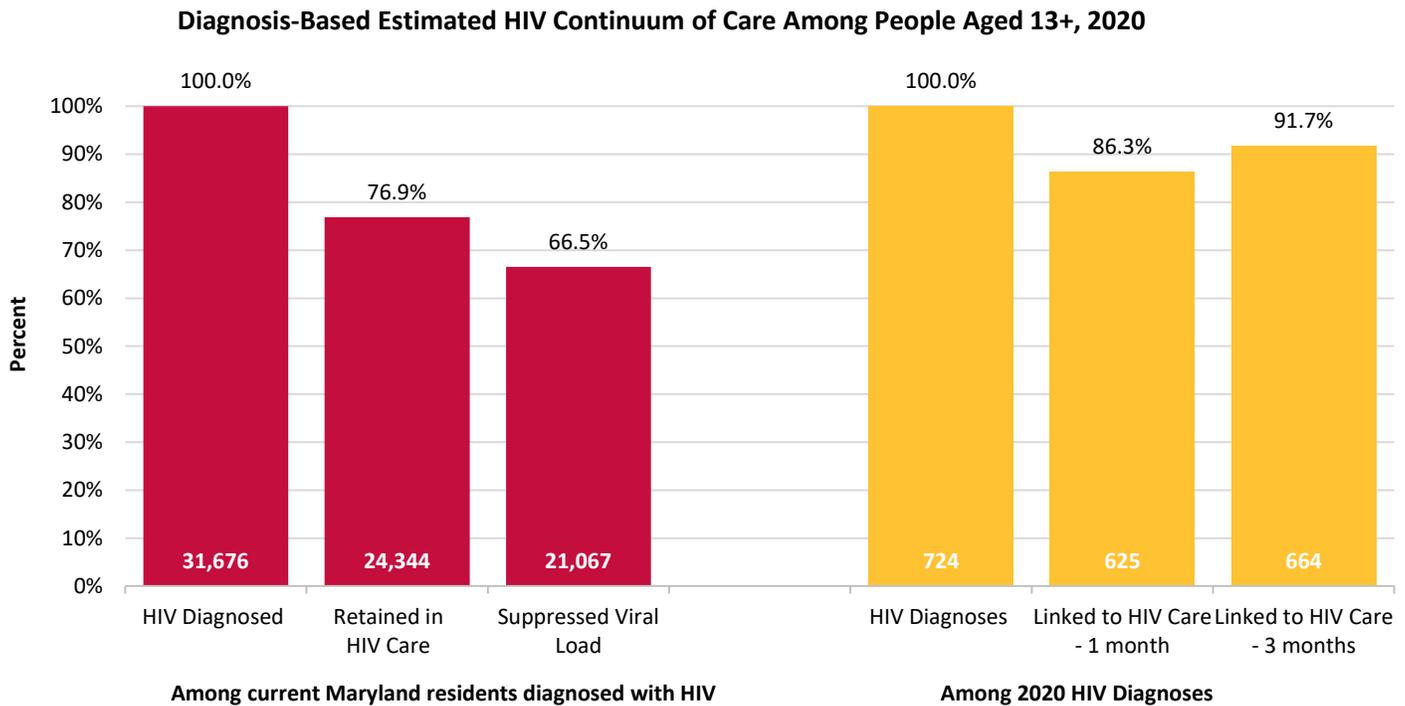
Demographic	Continuum of Care Stage													
	People Aged 13+ Living with Diagnosed HIV								Reported 2020 Diagnoses among People Aged 13+					
	HIV Infected		HIV Diagnosed		Retained in Care		Suppressed Viral Load		HIV Diagnosed		Linked to HIV Care – 1 Month		Linked to HIV Care – 3 Months	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sex at Birth														
Male	23,545	100.0%	20,908	88.8%	15,959	67.8%	13,786	58.6%	531	100.0%	457	86.1%	484	91.1%
Female	11,704	100.0%	10,768	92.0%	8,385	71.6%	7,281	62.2%	193	100.0%	168	87.0%	180	93.3%
Age on December 31, 2020														
13-24	1,267	100.0%	792	62.5%	675	53.3%	528	41.7%	134	100.0%	114	85.1%	126	94.0%
25-34	6,251	100.0%	4,876	78.0%	3,694	59.1%	2,946	47.1%	242	100.0%	199	82.2%	215	88.8%
35-44	6,955	100.0%	6,127	88.1%	4,550	65.4%	3,859	55.5%	149	100.0%	134	89.9%	137	91.9%
45-54	8,178	100.0%	7,655	93.6%	5,869	71.8%	5,148	62.9%	100	100.0%	89	89.0%	94	94.0%
55+	12,749	100.0%	12,226	95.9%	9,556	75.0%	8,586	67.3%	99	100.0%	89	89.9%	92	92.9%
Race/Ethnicity														
American Indian/Alaska Native	17	100.0%	16	96.4%	8	48.2%	6	36.2%	2	100.0%	2	100.0%	2	100.0%
Asian	294	100.0%	249	84.8%	179	61.0%	163	55.5%	10	100.0%	8	80.0%	9	90.0%
Black/African American	26,055	100.0%	23,554	90.4%	18,084	69.4%	15,537	59.6%	520	100.0%	440	84.6%	472	90.8%
Hispanic/Latino	2,655	100.0%	2,233	84.1%	1,682	63.3%	1,466	55.2%	85	100.0%	79	92.9%	81	95.3%
Native Hawaiian/Other Pacific Islander	3	100.0%	3	98.2%	2	65.5%	2	65.5%	0	100.0%	0	--	0	--
White	4,296	100.0%	3,879	90.3%	2,979	69.3%	2,680	62.4%	87	100.0%	78	89.7%	81	93.1%
Multiple races	1,936	100.0%	1,742	90.0%	1,410	72.8%	1,213	62.7%	20	100.0%	18	90.0%	19	95.0%
Exposure Category														
Male-to-male sexual contact (MSM)	14,575	100.0%	12,768	87.6%	9,889	67.8%	8,601	59.0%	388	100.0%	331	85.2%	355	91.4%
Injection drug use (IDU)	5,198	100.0%	5,047	97.1%	3,834	73.8%	3,294	63.4%	45	100.0%	39	82.8%	40	83.3%
Male	2,993	100.0%	2,891	96.6%	2,158	72.1%	1,864	62.3%	27	100.0%	23	86.0%	24	88.9%
Female	2,204	100.0%	2,156	97.8%	1,676	76.0%	1,430	64.9%	18	100.0%	16	91.5%	16	92.0%
MSM/IDU	1,167	100.0%	1,123	96.2%	885	75.8%	759	65.0%	6	100.0%	5	71.4%	5	77.8%
Heterosexual contact (HET)	13,806	100.0%	12,218	88.5%	9,313	67.5%	8,107	58.7%	285	200.0%	251	87.9%	264	89.9%
Male	4,584	100.0%	3,887	84.8%	2,840	62.0%	2,432	53.1%	110	100.0%	99	90.0%	100	91.4%
Female	9,215	100.0%	8,330	90.4%	6,474	70.3%	5,675	61.6%	175	100.0%	152	86.6%	164	93.4%
Total	35,235	100.0%	31,676	89.9%	24,344	69.1%	21,067	59.8%	724	100.0%	625	86.3%	664	91.7%

Note. Other exposure category and perinatal transmission not shown. Multiple imputation was used to estimate and adjust for missing transmission category. Exposure category estimates are rounded to whole numbers after percentages are calculated. This may be more noticeable in the precision of estimates calculated for small numbers of people.

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Figure 9 – Diagnosis-Based Estimated 2020 HIV Continuum of Care Cascades, among Current Maryland Residents Aged 13+, Reported through June 30, 2021

The diagnosis-based Maryland Engagement in HIV Care Cascade (below) uses Maryland surveillance data for current Maryland residents to describe the number and percentage of persons living with diagnosed HIV in Maryland on December 31, 2020 and the number and percentage of new HIV diagnoses in 2020 who belong to each of the stages of engagement in HIV care.

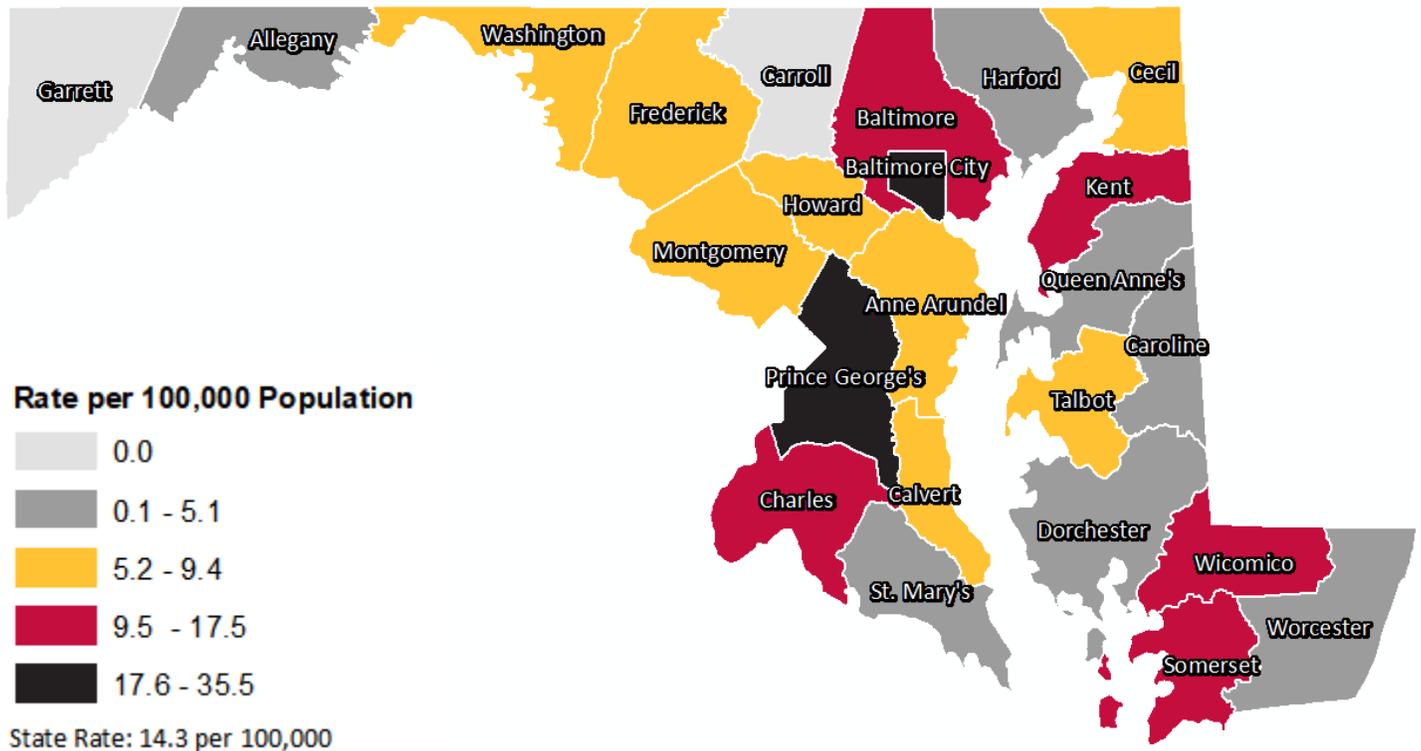


Continuum of Care Stage	People Aged 13+ Living with HIV		Continuum of Care Stage	Reported 2020 HIV Diagnoses	
	Number	Percent		Number	Percent
HIV Diagnosed	31,676	100.0%	New HIV Diagnoses	724	100.0%
Retained in HIV Care	24,344	76.9%	Linked to HIV Care – 1 Month	625	86.3%
Suppressed Viral Load	21,067	66.5%	Linked to HIV Care – 3 Months	664	91.7%

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Section IV – By Jurisdiction

Maryland Reported HIV Diagnoses among People Aged 13+, Rate by Jurisdiction, 2020



- The rate of new HIV diagnoses among people aged 13+ in Maryland **14.3 is per 100,000**.
Jurisdictions with the highest rate of new HIV diagnoses among people aged 13+ in Maryland include:
 - Baltimore City: 35.5 per 100,000
 - Prince George’s County: 29.0 per 100,000
 - Kent County: 17.5 per 100,000
 - Wicomico County: 16.0 per 100,000
- The rate of new AIDS diagnoses among people aged 13+ in Maryland is **7.9 per 100,000**.
Jurisdictions with the highest rate of new AIDS diagnoses among people aged 13+ in Maryland include:
 - Baltimore City: 19.8 per 100,000
 - Prince George’s County: 16.0 per 100,000
 - Wicomico County: 6.8 per 100,000
 - Charles County: 6.6 per 100,000

Table 1 – Reported HIV Diagnoses and Reported AIDS Diagnoses, among People Aged 13+ during 2020, by Jurisdiction of Residence at Diagnosis, Reported through June 30, 2021

Jurisdiction of Residence at Diagnosis	Population Aged 13+	Reported HIV Diagnoses among People Aged 13+			Reported AIDS Diagnoses among People Aged 13+		
		No.	% of Total	Rate	No.	% of Total	Rate
Allegany	61,487	2	0.3%	3.3	1	0.3%	1.6
Anne Arundel	488,915	36	5.0%	7.4	21	5.4%	4.3
Baltimore City	498,775	177	24.4%	35.5	99	25.3%	19.8
Baltimore	697,539	92	12.7%	13.2	40	10.2%	5.7
Calvert	78,372	6	0.8%	7.7	2	0.5%	2.6
Caroline	27,860	1	0.1%	3.6	1	0.3%	3.6
Carroll	143,470	2	0.3%	1.4	2	0.5%	1.4
Cecil	87,352	5	0.7%	5.7	1	0.3%	1.1
Charles	136,982	19	2.6%	13.9	9	2.3%	6.6
Dorchester	27,124	1	0.1%	3.7	0	0.0%	0.0
Frederick	221,788	14	1.9%	6.3	7	1.8%	3.2
Garrett	25,235	0	0.0%	0.0	0	0.0%	0.0
Harford	216,746	11	1.5%	5.1	8	2.0%	3.7
Howard	272,971	16	2.2%	5.9	11	2.8%	4.0
Kent	17,134	3	0.4%	17.5	1	0.3%	5.8
Montgomery	879,817	83	11.5%	9.4	49	12.5%	5.6
Prince George's	761,933	221	30.5%	29.0	122	31.1%	16.0
Queen Anne's	43,732	2	0.3%	4.6	2	0.5%	4.6
Saint Mary's	95,244	4	0.6%	4.2	3	0.8%	3.1
Somerset	22,345	3	0.4%	13.4	1	0.3%	4.5
Talbot	32,289	2	0.3%	6.2	0	0.0%	0.0
Washington	128,052	8	1.1%	6.2	6	1.5%	4.7
Wicomico	87,648	14	1.9%	16.0	6	1.5%	6.8
Worcester	46,118	2	0.3%	4.3	0	0.0%	0.0
Corrections	--	0	0.0%	--	0	0.0%	--
Total	5,098,929	724	100.0%	14.3	392	100.0%	7.9

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Table 2 – Reported HIV Diagnoses, among People Aged 13+ during 2020, Linked to Care, Late Diagnosis, First CD4 Test Result, and Mean Years from HIV Diagnosis by Jurisdiction of Residence at Diagnosis, Reported through June 30, 2021

Jurisdiction of Residence at HIV Diagnosis	Reported HIV Diagnoses among People Aged 13+					
	No.	Linked to Care		% Late HIV Diagnoses	First CD4 Test Result	
		% 1 month	% 3 months		% with Test	Median Count
Allegany	2	***	***	***	***	***
Anne Arundel	36	75.0%	83.3%	22.2%	88.9%	477
Baltimore City	177	85.9%	92.7%	12.4%	92.7%	449
Baltimore	92	85.9%	93.5%	15.2%	93.5%	447
Calvert	6	83.3%	83.3%	***	100.0%	323
Caroline	1	***	***	***	***	***
Carroll	2	***	***	***	***	***
Cecil	5	100.0%	100.0%	***	100.0%	520
Charles	19	78.9%	89.5%	***	84.2%	402
Dorchester	1	***	***	***	***	***
Frederick	14	85.7%	92.9%	***	100.0%	271
Garrett	0	--	--	--	--	--
Harford	11	90.9%	90.9%	54.5%	90.9%	124
Howard	16	93.8%	93.8%	***	93.8%	452
Kent	3	***	***	***	***	***
Montgomery	83	88.0%	92.8%	24.1%	97.6%	381
Prince George's	221	88.7%	91.4%	27.1%	93.2%	308
Queen Anne's	2	***	***	***	***	***
Saint Mary's	4	***	***	***	***	***
Somerset	3	***	***	***	***	***
Talbot	2	***	***	***	***	***
Washington	8	87.5%	87.5%	62.5%	100.0%	189
Wicomico	14	92.9%	100.0%	***	92.9%	333
Worcester	2	***	***	***	***	***
Corrections	0	--	--	--	--	--
Total	724	86.3%	91.7%	21.3%	93.2%	390

*** Data withheld due to low population counts and/or small numbers.

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Table 3 – People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Jurisdiction of Residence at Diagnosis and Current Residence, Reported through June 30, 2021

Jurisdiction of Residence	Population Aged 13+	Total People Aged 13+ Living with Diagnosed HIV								
		Residence at Diagnosis				Current Residence				% Change
		No.	% of Total	Rate	Ratio (1 in X)	No.	% of Total	Rate	Ratio (1 in X)	
Allegany	61,487	95	0.3%	154.5	647	141	0.4%	229.3	436	48.4%
Anne Arundel	488,915	1,323	4.0%	270.6	370	1,439	4.5%	294.3	340	8.8%
Baltimore City	498,775	12,042	36.4%	2,414.3	41	10,423	32.9%	2,089.7	48	-13.4%
Baltimore	697,539	3,278	9.9%	469.9	213	3,793	12.0%	543.8	184	15.7%
Calvert	78,372	116	0.4%	148.0	676	137	0.4%	174.8	572	18.1%
Caroline	27,860	68	0.2%	244.1	410	64	0.2%	229.7	435	-5.9%
Carroll	143,470	153	0.5%	106.6	938	161	0.5%	112.2	891	5.2%
Cecil	87,352	127	0.4%	145.4	688	153	0.5%	175.2	571	20.5%
Charles	136,982	513	1.5%	374.5	267	646	2.0%	471.6	212	25.9%
Dorchester	27,124	126	0.4%	464.5	215	149	0.5%	549.3	182	18.3%
Frederick	221,788	376	1.1%	169.5	590	470	1.5%	211.9	472	25.0%
Garrett	25,235	10	0.0%	39.6	2,524	16	0.1%	63.4	1,577	60.0%
Harford	216,746	470	1.4%	216.8	461	525	1.7%	242.2	413	11.7%
Howard	272,971	640	1.9%	234.5	427	701	2.2%	256.8	389	9.5%
Kent	17,134	41	0.1%	239.3	418	50	0.2%	291.8	343	22.0%
Montgomery	879,817	4,143	12.5%	470.9	212	3,583	11.3%	407.2	246	-13.5%
Prince George's	761,933	7,935	24.0%	1,041.4	96	8,014	25.3%	1,051.8	95	1.0%
Queen Anne's	43,732	57	0.2%	130.3	767	60	0.2%	137.2	729	5.3%
Saint Mary's	95,244	146	0.4%	153.3	652	160	0.5%	168.0	595	9.6%
Somerset	22,345	76	0.2%	340.1	294	89	0.3%	398.3	251	17.1%
Talbot	32,289	66	0.2%	204.4	489	79	0.2%	244.7	409	19.7%
Washington	128,052	320	1.0%	249.9	400	364	1.1%	284.3	352	13.8%
Wicomico	87,648	261	0.8%	297.8	336	270	0.9%	308.1	325	3.4%
Worcester	46,118	76	0.2%	164.8	607	68	0.2%	147.4	678	-10.5%
Corrections	--	642	1.9%	--	--	121	0.4%	--	--	--
Total	5,098,929	33,100	100.0%	649.2	154	31,676	100.0%	621.2	161	-4.3%

Table 4 – CD4 Test Results during 2020 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Jurisdiction of Current Residence, Reported through June 30, 2021

Jurisdiction of Current Residence	Total People Aged 13+ Living with Diagnosed HIV								
	No.	Recent CD4 Test Result				<200	200-349	350-499	500+
		No. with Test	% with Test	Median Count					
Allegany	141	127	90.1%	678	4.7%	3.1%	18.1%	74.0%	
Anne Arundel	1,439	1,006	69.9%	648	6.2%	10.5%	16.1%	67.2%	
Baltimore City	10,423	7,115	68.3%	608	9.1%	12.0%	16.1%	62.8%	
Baltimore	3,793	2,614	68.9%	648	6.1%	11.1%	15.2%	67.6%	
Calvert	137	111	81.0%	628	7.2%	10.8%	12.6%	69.4%	
Caroline	64	47	73.4%	704	6.4%	4.3%	12.8%	76.6%	
Carroll	161	116	72.0%	716	8.6%	6.0%	13.8%	71.6%	
Cecil	153	97	63.4%	627	5.2%	8.2%	21.6%	64.9%	
Charles	646	490	75.9%	676	7.6%	9.0%	13.5%	70.0%	
Dorchester	149	106	71.1%	641	8.5%	9.4%	18.9%	63.2%	
Frederick	470	349	74.3%	635	5.2%	10.0%	13.5%	71.3%	
Garrett	16	14	87.5%	798	14.3%	0.0%	21.4%	64.3%	
Harford	525	343	65.3%	638	6.7%	13.4%	14.6%	65.3%	
Howard	701	517	73.8%	669	5.8%	10.6%	14.3%	69.2%	
Kent	50	40	80.0%	686	5.0%	10.0%	10.0%	75.0%	
Montgomery	3,583	2,482	69.3%	606	5.6%	12.0%	17.6%	64.7%	
Prince George's	8,014	5,955	74.3%	632	6.8%	11.2%	15.4%	66.6%	
Queen Anne's	60	46	76.7%	671	10.9%	17.4%	8.7%	63.0%	
Saint Mary's	160	120	75.0%	609	8.3%	12.5%	17.5%	61.7%	
Somerset	89	71	79.8%	607	5.6%	9.9%	19.7%	64.8%	
Talbot	79	60	75.9%	513	10.0%	20.0%	15.0%	55.0%	
Washington	364	269	73.9%	698	6.3%	9.3%	14.5%	69.9%	
Wicomico	270	195	72.2%	587	10.3%	16.4%	11.8%	61.5%	
Worcester	68	52	76.5%	621	5.8%	5.8%	26.9%	61.5%	
Corrections	121	89	73.6%	699	7.9%	11.2%	11.2%	69.7%	
Total	31,676	22,431	70.8%	628	7.3%	11.4%	15.8%	65.6%	

Table 5 – Viral Load Test Results during 2020 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Jurisdiction of Current Residence, Reported through June 30, 2021

Jurisdiction of Current Residence	Total People Aged 13+ Living with Diagnosed HIV				
	No.	Recent Viral Load Test Result			Median Unsuppressed Viral Load
		No. with Test	% with Test	% Suppressed	
Allegany	141	127	90.1%	89.0%	4,525
Anne Arundel	1,439	1,055	73.3%	91.6%	11,500
Baltimore City	10,423	7,745	74.3%	87.8%	12,219
Baltimore	3,793	2,837	74.8%	91.4%	8,920
Calvert	137	113	82.5%	95.6%	2,990
Caroline	64	43	67.2%	86.0%	78,320
Carroll	161	121	75.2%	93.4%	203,250
Cecil	153	103	67.3%	84.5%	16,050
Charles	646	487	75.4%	90.3%	2,970
Dorchester	149	111	74.5%	94.6%	16,915
Frederick	470	353	75.1%	91.5%	8,908
Garrett	16	13	81.3%	92.3%	258
Harford	525	371	70.7%	92.2%	11,300
Howard	701	526	75.0%	91.4%	6,370
Kent	50	42	84.0%	92.9%	223,620
Montgomery	3,583	2,467	68.9%	92.8%	11,452
Prince George's	8,014	5,967	74.5%	90.5%	8,340
Queen Anne's	60	48	80.0%	93.8%	127,037
Saint Mary's	160	124	77.5%	84.7%	22,200
Somerset	89	72	80.9%	84.7%	14,400
Talbot	79	60	75.9%	93.3%	33,600
Washington	364	261	71.7%	89.7%	25,000
Wicomico	270	211	78.1%	86.7%	18,984
Worcester	68	54	79.4%	90.7%	460
Corrections	121	91	75.2%	92.3%	1,210
Total	31,676	23,402	73.9%	90.0%	10,500

Section V – By Age

Table 6 – Reported HIV Diagnoses during 2020, Linked to Care, Late Diagnosis, and First CD4 Test Result by Age at HIV Diagnosis, Reported through June 30, 2021

Age at HIV Diagnosis	Population	Reported HIV Diagnoses							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 month	% 3 months	%	% with Test	Median Count
<5 (Pediatric)	358,879	1	0.1%	0.3	***	***	***	***	***
5-12 (Pediatric)	597,994	0	0.0%	0.0	--	--	--	--	--
13-19	528,662	29	4.0%	5.5	***	***	***	***	***
20-29	773,005	233	32.1%	30.1	82.0%	90.1%	7.7%	90.1%	420
30-39	833,899	187	25.8%	22.4	87.2%	90.9%	25.1%	92.5%	488
40-49	753,555	125	17.2%	16.6	90.4%	92.8%	26.4%	96.8%	378
50-59	830,791	104	14.3%	12.5	90.4%	95.2%	35.6%	98.1%	389
60+	1,379,017	46	6.3%	3.3	87.0%	89.1%	34.8%	93.5%	265
Total	6,055,802	725	100.0%	12.0	86.3%	91.7%	21.2%	93.2%	261

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

*** Data withheld due to low population counts and/or small numbers.

Table 7 – People Living with Diagnosed HIV, Alive on December 31, 2020, by Age on December 31, 2020, Reported through June 30, 2021

Age on December 31, 2020	Population	Total People Living with Diagnosed HIV			
		No.	% of Total	Rate	Ratio (1 in X)
<5 (Pediatric)	358,879	8	0.0%	2.2	44,860
5-12 (Pediatric)	597,994	35	0.1%	5.9	17,086
13-19	528,662	137	0.4%	25.9	3,859
20-29	773,005	2,455	7.7%	317.6	315
30-39	833,899	6,095	19.2%	730.9	137
40-49	753,555	6,307	19.9%	837.0	119
50-59	830,791	9,347	29.5%	1,125.1	89
60+	1,379,017	7,335	23.1%	531.9	188
Total	6,055,802	31,719	100.0%	523.8	191

Table 8 – CD4 Test Results during 2020 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Age on December 31, 2020, Reported through June 30, 2021

Age on December 31, 2020	No.	Total People Aged 13+ Living with Diagnosed HIV							
		Recent CD4 Test Results				<200	200-349	350-499	500+
		No. with Test	% with Test	Median Count					
13-19	137	109	79.6%	636	2.8%	12.8%	12.8%	71.6%	
20-29	2,455	1,812	73.8%	665	6.2%	8.6%	13.3%	71.9%	
30-39	6,095	4,245	69.6%	641	7.8%	9.9%	15.0%	67.3%	
40-49	6,307	4,411	69.9%	633	7.2%	10.9%	16.3%	65.6%	
50-59	9,347	6,698	71.7%	630	7.8%	11.6%	15.3%	65.2%	
60+	7,335	5,156	70.3%	590	6.9%	13.6%	17.4%	62.1%	
Total	31,676	22,431	70.8%	628	7.3%	11.4%	15.8%	65.6%	

Table 9 – Viral Load Test Results during 2020 for People Living with Diagnosed HIV, Alive on December 31, 2020, by Age on December 31, 2020, Reported through June 30, 2021

Age on December 31, 2020	Total People Aged 13+ Living with Diagnosed HIV				
	No.	Recent Viral Load Test Result			Median Unsuppressed Viral Load
		No. with Test	% with Test	% Suppressed	
13-19	137	121	88.3%	85.1%	7,100
20-29	2,455	1,867	76.0%	80.2%	11,800
30-39	6,095	4,375	71.8%	85.5%	14,100
40-49	6,307	4,554	72.2%	90.4%	13,200
50-59	9,347	7,043	75.4%	91.7%	7,530
60+	7,335	5,442	74.2%	94.7%	5,410
Total	31,676	23,402	73.9%	90.0%	10,500

Section VI – By Demographics

Table 10 – Reported HIV Diagnoses, among People Aged 13+ during 2020, Linked to Care, Late Diagnosis, and First CD4 Test Result by Sex at Birth, Gender, Race/Ethnicity, and Country of Birth, Reported through June 30, 2021

Demographic Characteristics	Population Aged 13+	Reported HIV Diagnoses among People Aged 13+							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 month	% 3 months	%	% with Test	Median Count
Sex at Birth									
Male	2,444,160	531	73.3%	21.7	86.1%	91.1%	21.1%	93.2%	388
Female	2,654,769	193	26.7%	7.3	87.0%	93.3%	21.8%	93.3%	432
Gender									
Man	2,444,160	520	71.8%	21.3	86.5%	91.5%	21.5%	93.7%	387
Woman	2,654,769	192	26.5%	7.2	87.0%	93.2%	21.9%	93.2%	426
Transgender Woman	--	11	1.5%	0.0	***	***	***	***	***
Transgender Man	--	1	0.1%	0.0	***	***	***	***	***
Another Gender Identity	--	0	0.0%	0.0	--	--	--	--	--
Race/Ethnicity									
Hispanic	488,360	85	11.7%	17.4	92.9%	95.3%	22.4%	97.6%	378
Non-Hispanic	4,610,569	639	88.3%	13.9	85.4%	91.2%	21.1%	92.6%	395
American Indian/Alaska Native, only	12,749	2	0.3%	15.7	***	***	***	***	***
Asian, only	345,156	10	1.4%	2.9	***	***	***	***	***
Black, only	1,531,914	520	71.8%	33.9	84.6%	90.8%	19.6%	92.5%	398
Native Hawaiian/Other Pacific Islander, only	2,585	0	0.0%	0.0	--	--	--	--	--
White, only	2,617,024	87	12.0%	3.3	89.7%	93.1%	28.7%	92.0%	428
Multiracial/Other	101,141	20	2.8%	19.8	90.0%	95.0%	25.0%	100.0%	334
Total	5,098,929	724	100.0%	14.2	86.3%	91.7%	21.3%	93.2%	390
Country of Birth									
United States	4,181,161	500	69.1%	12.0	85.2%	90.6%	20.4%	92.4%	399
Foreign-Born	871,703	95	13.1%	10.9	90.5%	94.7%	28.4%	96.8%	302
Africa	--	55	7.6%	--	89.1%	94.5%	27.3%	98.2%	304
Asia	--	3	0.4%	--	***	***	***	***	***
Caribbean	--	8	1.1%	--	87.5%	87.5%	***	87.5%	428
Central America	--	25	3.5%	--	92.0%	96.0%	40.0%	96.0%	244
Other	--	4	0.6%	--	***	***	***	***	***
Unknown	--	129	17.8%	--	87.6%	93.8%	19.4%	93.8%	424
Total	5,052,864	724	100.0%	14.3	86.3%	91.7%	21.3%	93.2%	390

Note. Population data by sex at birth, age, and race/ethnicity are from the 2020 United States Census population estimates. Population data by gender are unavailable. Population data by country of birth are from the 2019 American Community Survey.

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

*** Data withheld due to low population counts and/or small numbers.

Table 11 – Reported HIV Diagnoses, among People Aged 13+ during 2020 by Sex at Birth and Race/Ethnicity, Reported through June 30, 2021

Race/Ethnicity	Reported HIV Diagnoses among People Aged 13+							
	Sex at Birth							
	Male				Female			
	Population 13+	No.	% of Total	Rate	Population 13+	No.	% of Total	Rate
Hispanic	252,185	69	13.0%	27.4	236,174	16	8.3%	6.8
Non-Hispanic	2,191,975	462	87.0%	21.1	2,418,594	177	91.7%	21.1
American Indian/Alaska Native, only	6,132	1	0.2%	16.3	6,618	1	0.5%	15.1
Asian, only	161,181	9	1.7%	5.6	183,975	1	0.5%	0.5
Black, only	702,710	363	68.4%	51.7	829,204	157	81.3%	18.9
Native Hawaiian/Other Pacific Islander, only	1,208	0	0.0%	0.0	1,377	0	0.0%	0.0
White, only	1,273,261	72	13.6%	5.7	1,343,763	15	7.8%	1.1
Multiracial/Other	47,483	17	3.2%	35.8	53,658	3	1.6%	5.6
Total	2,444,160	531	100.0%	21.7	2,654,769	193	100.0%	21.7

Note. Population data by sex at birth, age, and race/ethnicity are from the 2020 United State Census population estimates.

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Table 12 – People Aged 13+ Living with Diagnosed HIV Alive on December 31, 2020, by Sex at Birth, Gender, Race/Ethnicity, and Country of Birth, Reported through June 30, 2021

Demographic Characteristics	Population Aged 13+	Total People Aged 13+ Living with Diagnosed HIV			
		No.	% of Total	Rate	Ratio (1 in X)
Sex at Birth					
Male	2,444,160	20,908	66.0%	855.4	117
Female	2,654,769	10,768	34.0%	405.6	247
Gender					
Man	2,444,160	20,571	64.9%	841.6	119
Woman	2,654,769	10,746	33.9%	404.8	247
Transgender Woman	--	336	1.1%	--	--
Transgender Man	--	22	0.1%	--	--
Another Gender Identity	--	1	0.0%	--	--
Race/Ethnicity					
Hispanic	488,360	2,233	7.0%	457.2	219
Non-Hispanic	4,610,569	29,443	93.0%	638.6	157
American Indian/Alaska Native, only	12,749	16	0.1%	125.5	797
Asian, only	345,156	249	0.8%	72.1	1,386
Black, only	1,531,914	23,554	74.4%	1,537.6	65
Native Hawaiian/Other Pacific Islander, only	2,585	3	0.0%	116.1	862
White, only	2,617,024	3,879	12.2%	148.2	675
Multiracial/Other	101,141	1,742	5.5%	1,722.40	58
Total	5,098,929	31,676	100.0%	621.2	161
Country of Birth					
United States	4,181,161	26,887	84.9%	643.1	156
Foreign-Born	871,703	3,805	12.0%	436.5	229
Africa	--	2,411	7.6%	--	--
Asia	--	204	0.6%	--	--
Caribbean	--	283	0.9%	--	--
Central America	--	612	1.9%	--	--
Other	--	295	0.9%	--	--
Unknown	--	984	3.1%	--	--
Total	5,052,864	31,676	100.0%	626.9	160

Note. Population data by sex at birth, age, and race/ethnicity are from the 2020 United States Census population estimates. Population data by gender are unavailable. Population data by country of birth are from the 2019 American Community Survey.

Table 13 – People Aged 13+ Living with Diagnosed HIV Alive on December 31, 2020, by Sex at Birth and Race/Ethnicity, Reported through June 30, 2021

Total People Aged 13+ Living with Diagnosed HIV								
Race/Ethnicity	Sex at Birth							
	Male				Female			
	Population 13+	No.	% of Total	Rate	Population 13+	No.	% of Total	Rate
Hispanic	252,185	1,727	8.3%	684.8	236,174	506	4.7%	214.2
Non-Hispanic	2,191,975	19,181	91.7%	875.1	2,418,594	10,262	95.3%	424.3
American Indian/Alaska Native, only	6,132	10	0.0%	163.1	6,618	6	0.1%	90.7
Asian, only	161,181	198	0.9%	122.8	183,975	51	0.5%	27.7
Black, only	702,710	14,645	70.0%	2,084.1	829,204	8,909	82.7%	1,074.4
Native Hawaiian/Other Pacific Islander, only	1,208	3	0.0%	248.4	1,377	0	0.0%	0.0
White, only	1,273,261	3,117	14.9%	244.8	1,343,763	762	7.1%	56.7
Multiracial/Other	47,483	1,208	5.8%	2,544.1	53,658	534	5.0%	995.2
Total	2,444,160	20,908	100.0%	855.4	2,654,769	10,768	100.0%	405.6

Note. Population data by sex at birth, age, and race/ethnicity are from the 2020 United States Census population estimates.

Table 14 – CD4 Test Results during 2020 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Sex at Birth, Gender, Race/Ethnicity and Country of Birth, Reported through June 30, 2021

Demographic Characteristics	Total People Aged 13+ Living with Diagnosed HIV							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Sex at Birth								
Male	20,908	14,713	70.4%	608	7.4%	11.9%	16.9%	63.8%
Female	10,768	7,718	71.7%	669	7.1%	10.3%	13.6%	69.0%
Gender								
Man	20,571	14,449	70.2%	607	7.4%	12.0%	17.0%	63.6%
Woman	10,746	7,702	71.7%	669	7.1%	10.3%	13.6%	69.0%
Transgender Woman	336	263	78.3%	690	8.7%	6.8%	12.5%	71.9%
Transgender Man	22	***	***	***	***	***	***	***
Another Gender Identity	1	***	***	***	***	***	***	***
Race/Ethnicity								
Hispanic	2,233	1,574	70.5%	618	6.5%	11.7%	16.7%	65.1%
Non-Hispanic	29,443	20,857	70.8%	628	7.4%	11.3%	15.7%	65.6%
American Indian/Alaska Native, only	16	***	***	***	***	***	***	***
Asian, only	249	168	67.5%	567	3.6%	13.7%	23.8%	58.9%
Black, only	23,554	16,652	70.7%	626	7.5%	11.6%	15.6%	65.2%
Native Hawaiian/Other Pacific Islander, only	3	***	***	***	***	***	***	***
White, only	3,879	2,716	70.0%	660	5.8%	9.4%	15.0%	69.8%
Multiracial/Other	1,742	1,311	75.3%	609	9.2%	11.4%	16.6%	62.8%
Country of Birth								
United States	26,887	19,152	71.2%	631	7.6%	11.2%	15.4%	65.8%
Foreign-Born	3,805	2,615	68.7%	595	6.2%	12.9%	17.7%	63.2%
Africa	2,411	1,645	68.2%	580	6.5%	12.5%	18.8%	62.2%
Asia	204	152	74.5%	575	3.3%	14.5%	21.7%	60.5%
Caribbean	283	209	73.9%	662	8.1%	13.9%	12.4%	65.6%
Central America	612	420	68.6%	593	6.0%	15.0%	14.5%	64.5%
Other	295	189	64.1%	641	4.8%	9.5%	17.5%	68.3%
Unknown	984	664	67.5%	639	4.1%	9.5%	18.5%	67.9%
Total	31,676	22,431	70.8%	628	7.3%	11.4%	15.8%	65.6%

*** Data withheld due to low population counts and/or small numbers.

Table 15 – Viral Load Test Results during 2020 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Sex at Birth, Gender, Race/Ethnicity and Country of Birth, Reported through June 30, 2021

Demographic Characteristics	Total People Aged 13+ Living with Diagnosed HIV				
	No.	Recent Viral Load Test Result			Median Unsuppressed Viral Load
		No. with Test	% with Test	% Suppressed	
Sex at Birth					
Male	20,908	15,329	73.3%	89.9%	10,690
Female	10,768	8,073	75.0%	90.2%	10,329
Gender					
Man	20,571	15,067	73.2%	90.1%	10,200
Woman	10,746	8,055	75.0%	90.2%	10,329
Transgender Woman	336	261	77.7%	79.3%	24,300
Transgender Man	22	***	***	***	***
Another Gender Identity	1	***	***	***	***
Race/Ethnicity					
Hispanic	2,233	1,611	72.1%	91.0%	7,290
Non-Hispanic	29,443	21,791	74.0%	89.9%	10,800
American Indian/Alaska Native, only	16	***	***	***	***
Asian, only	249	173	69.5%	94.2%	10,108
Black, only	23,554	17,409	73.9%	89.2%	9,970
Native Hawaiian/Other Pacific Islander, only	3	***	***	***	***
White, only	3,879	2,856	73.6%	93.8%	20,057
Multiracial/Other	1,742	1,343	77.1%	90.3%	19,900
Country of Birth					
United States	26,887	20,039	74.5%	89.7%	11,100
Foreign-Born	3,805	2,674	70.3%	93.0%	6,773
Africa	2,411	1,683	69.8%	93.2%	6,130
Asia	204	154	75.5%	95.5%	13,951
Caribbean	283	215	76.0%	91.2%	22,918
Central America	612	425	69.4%	90.8%	2,090
Other	295	197	66.8%	97.0%	704
Unknown	984	689	70.0%	87.1%	7,215
Total	31,676	23,402	73.9%	90.0%	10,500

*** Data withheld due to low population counts and/or small numbers.

Table 16 – Males Living with Diagnosed HIV by Age on December 31, 2020 and Race/Ethnicity, Alive on December 31, 2020, and Reported through June 30, 2021

		Total Males Living with Diagnosed HIV				Total Males by Age Group
		Race/Ethnicity				
Age on December 31, 2020		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic Other Race	
<13 (Pediatric)	Population	85,090	147,025	195,605	60,694	488,414
	Number	3	10	2	0	15
	Rate	3.5	6.8	1.0	0.0	3.1
	Ratio (1 in X)	28,363	14,703	97,803	--	32,561
13-19	Population	38,198	82,660	117,309	30,622	268,789
	Number	6	62	5	1	74
	Rate	15.7	75.0	4.3	3.3	27.5
	Ratio (1 in X)	6,366	1,333	23,462	30,622	3,632
20-29	Population	47,159	126,811	178,134	37,666	389,770
	Number	194	1,512	144	100	1,950
	Rate	411.4	1,192.3	80.8	265.5	500.3
	Ratio (1 in X)	243	84	1,237	377	200
30-39	Population	55,027	122,265	193,803	39,183	410,278
	Number	454	3,337	434	330	4,555
	Rate	825.0	2,729.3	223.9	842.2	1,110.2
	Ratio (1 in X)	121	37	447	119	90
40-49	Population	52,232	107,238	169,921	35,969	365,360
	Number	473	2,380	541	268	3,662
	Rate	905.6	2,219.4	318.4	745.1	1,002.3
	Ratio (1 in X)	110	45	314	134	100
50-59	Population	33,448	116,195	217,405	30,186	397,234
	Number	401	4,034	1,054	405	5,894
	Rate	1,198.9	3,471.8	484.8	1,341.7	1,483.8
	Ratio (1 in X)	83	29	206	75	67
60+	Population	26,121	147,541	396,689	42,378	612,729
	Number	199	3,320	939	315	4,773
	Rate	761.8	2,250.2	236.7	743.3	779.0
	Ratio (1 in X)	131	44	422	135	128
Total Males by Race/Ethnicity	Population	337,275	849,735	1,468,866	276,698	2,932,574
	Number	1,730	14,655	3,119	1,419	20,923
	Rate	512.9	1,724.7	212.3	512.8	713.5
	Ratio (1 in X)	195	58	471	195	140

Table 17 – Females Living with Diagnosed HIV by Age on December 31, 2020 and Race/Ethnicity, Alive on December 31, 2020, and Reported through June 30, 2021

Age on December 31, 2020		Total Females Living with Diagnosed HIV				Total Females by Age Group
		Race/Ethnicity				
		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic Other Race	
<13 (Pediatric)	Population	80,988	143,785	185,853	57,834	468,459
	Number	1	22	3	2	28
	Rate	1.2	15.3	1.6	3.5	6.0
	Ratio (1 in X)	80,988	6,536	61,951	28,917	16,731
13-19	Population	36,664	81,161	111,956	30,091	259,873
	Number	3	54	3	3	63
	Rate	8.2	66.5	2.7	10.0	24.2
	Ratio (1 in X)	12,221	1,503	37,319	10,030	4,125
20-29	Population	44,295	130,168	170,096	38,676	383,235
	Number	39	425	22	19	505
	Rate	88.0	326.5	12.9	49.1	131.8
	Ratio (1 in X)	1,136	306	7,732	2,036	759
30-39	Population	48,391	137,492	192,817	44,921	423,621
	Number	89	1,211	137	103	1,540
	Rate	183.9	880.8	71.1	229.3	363.5
	Ratio (1 in X)	544	114	1,407	436	275
40-49	Population	44,755	126,699	174,033	42,708	388,195
	Number	151	2,155	181	158	2,645
	Rate	337.4	1,700.9	104.0	370.0	681.4
	Ratio (1 in X)	296	59	962	270	147
50-59	Population	30,892	139,638	226,869	36,158	433,557
	Number	144	2,890	249	170	3,453
	Rate	466.1	2,069.6	109.8	470.2	796.4
	Ratio (1 in X)	215	48	911	213	126
60+	Population	31,177	214,046	467,992	53,073	766,288
	Number	80	2,174	170	138	2,562
	Rate	256.6	1,015.7	36.3	260.0	334.3
	Ratio (1 in X)	390	98	2,753	385	299
Total Females by Race/Ethnicity	Population	317,162	972,989	1,529,616	303,461	3,123,228
	Number	507	8,931	765	593	10,796
	Rate	159.9	917.9	50.0	195.4	345.7
	Ratio (1 in X)	626	109	1,999	512	289

Section VII – By HIV Exposure Category

Table 18 – Reported HIV Diagnoses, among People Aged 13+ during 2020, Linked to Care, Late Diagnosis, and First CD4 Test Result, by Estimated or Reported Exposure Category and Sex at Birth, Reported through June 30, 2021

Estimated or Reported Exposure Category	Reported HIV Diagnoses among People Aged 13+						
	No.	% of Total	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
			% 1 month	% 3 months	%	% with Test	Median Count
Male-to-male Sexual Contact (MSM)	388	53.6%	85.2%	91.4%	17.6%	93.1%	414
Injection Drug Use (IDU)	45	6.2%	88.1%	90.2%	***	93.1%	368
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	6	0.9%	71.4%	77.8%	***	82.5%	492
Heterosexual Contact (HET)	285	39.4%	87.9%	92.6%	25.7%	93.6%	365
Perinatal Transmission	0	0.0%	--	--	--	--	--
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
Total	724	100.0%	86.3%	91.7%	21.3%	93.2%	390
Male Estimated or Reported Exposure Category							
Male-to-male Sexual Contact (MSM)	388	73.1%	85.2%	91.4%	17.6%	93.1%	414
Injection Drug Use (IDU)	27	5.1%	86.0%	88.9%	***	90.4%	356
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	6	1.2%	71.4%	77.8%	***	82.5%	492
Heterosexual Contact (HET)	110	20.7%	90.0%	91.4%	32.1%	94.8%	295
Perinatal Transmission	0	0.0%	--	--	--	--	--
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
Total	531	100.0%	86.1%	91.1%	21.1%	93.2%	388
Female Estimated or Reported Exposure Category							
Injection Drug Use (IDU)	18	9.1%	91.5%	92.0%	***	97.2%	446
Heterosexual Contact (HET)	175	90.9%	86.6%	93.4%	***	92.9%	426
Perinatal Transmission	0	0.0%	--	--	--	--	--
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
Total	193	100.0%	87.0%	93.3%	21.8%	93.3%	432

Note. Data for 2020 are preliminary because they are based on a 6-month reporting delay and should not be used to assess trends. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. Exposure category estimates are rounded to whole numbers after percentages are calculated. This may be more noticeable in the precision of estimates calculated for small numbers of people. Median count is weighted based on statistical adjustment. For exposure category by gender, please see the Maryland HIV Epidemiological Profile Gender Diverse People Supplement.

*** Data withheld due to low population counts and/or small numbers.

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Table 19 – People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Estimated or Reported Exposure Category and Sex at Birth, Reported through June 30, 2021

Estimated or Reported Exposure Category	Total People Aged 13+ Living with Diagnosed HIV	
	No.	% of Total
Male-to-male Sexual Contact (MSM)	12,768	40.3%
Injection Drug Use (IDU)	5,047	15.9%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	1,123	3.5%
Heterosexual Contact (HET)	12,218	38.6%
Perinatal Transmission	396	1.3%
Other Exposure	44	0.1%
No Estimated or Reported Exposure	80	0.3%
Total	31,676	100.0%
Male Estimated or Reported Exposure Category		
Male-to-male Sexual Contact (MSM)	12,768	61.1%
Injection Drug Use (IDU)	2,891	13.8%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	1,123	5.4%
Heterosexual Contact (HET)	3,887	18.6%
Perinatal Transmission	172	0.8%
Other Exposure	23	0.1%
No Estimated or Reported Exposure	43	0.2%
Total	20,908	100.0%
Female Estimated or Reported Exposure Category		
Injection Drug Use (IDU)	2,156	20.0%
Heterosexual Contact (HET)	8,330	77.4%
Perinatal Transmission	224	2.1%
Other Exposure	21	0.2%
No Estimated or Reported Exposure	37	0.3%
Total	10,768	100.0%

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. For exposure category by gender, please see the Maryland HIV Epidemiological Profile Gender Diverse People Supplement.

Table 20 – People Aged 13+ Living with Diagnosed HIV by Estimated or Reported Exposure Category, Race/Ethnicity, and Sex at Birth, Alive on December 31, 2020, and Reported through June 30, 2021

Estimated or Reported Exposure Category	Total People Aged 13+ Living with Diagnosed HIV					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total	No.	% of Total	No.	% of Total
Male-to-male Sexual Contact (MSM)	1,171	52.4%	8,223	34.9%	2,407	62.0%
Injection Drug Use (IDU)	141	6.3%	4,072	17.3%	533	13.7%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	57	2.5%	799	3.4%	181	4.7%
Heterosexual Contact (HET)	842	37.7%	10,031	42.6%	717	18.5%
Perinatal Transmission	14	0.6%	346	1.5%	19	0.5%
Other Exposure	2	0.1%	20	0.1%	17	0.4%
No Estimated or Reported Exposure	6	0.3%	64	0.3%	6	0.2%
Total	2,233	100.0%	23,555	100.0%	3,880	100.0%
Male Estimated or Reported Exposure Category						
Male-to-male Sexual Contact (MSM)	1,171	67.8%	8,223	56.1%	2,407	77.2%
Injection Drug Use (IDU)	86	5.0%	2,409	16.5%	251	8.1%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	57	3.3%	799	5.5%	181	5.8%
Heterosexual Contact (HET)	401	23.2%	3,027	20.7%	252	8.1%
Perinatal Transmission	7	0.4%	148	1.0%	9	0.3%
Other Exposure	2	0.1%	5	0.0%	14	0.4%
No Estimated or Reported Exposure	3	0.2%	34	0.2%	3	0.1%
Total	1,727	100.0%	14,645	100.0%	3,117	100.0%
Female Estimated or Reported Exposure Category						
Injection Drug Use (IDU)	55	10.8%	1,663	18.7%	281	36.9%
Heterosexual Contact (HET)	442	87.3%	7,003	78.6%	464	61.0%
Perinatal Transmission	7	1.4%	198	2.2%	10	1.3%
Other Exposure	0	0.0%	15	0.2%	3	0.4%
No Estimated or Reported Exposure	3	0.6%	30	0.3%	3	0.4%
Total	507	100.0%	8,909	100.0%	761	100.0%

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. For exposure category by gender, please see the Maryland HIV Epidemiological Profile Gender Diverse People Supplement.

Table 21 – CD4 Test Results during 2020 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Estimated or Reported Exposure Category, Reported through June 30, 2021

Estimated or Reported Exposure Category	Total People Aged 13+ with Living Diagnosed HIV							
	No.	Recent CD4 Test Results						500+
		No. with Test	% with Test	Median Count	<200	200-349	350-499	
Male-to-male Sexual Contact (MSM)	12,768	9,194	72.0%	645	5.7%	9.9%	15.6%	68.8%
Injection Drug Use (IDU)	5,047	3,448	68.3%	571	10.8%	13.8%	16.7%	58.7%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	1,123	812	72.3%	564	9.6%	13.0%	18.6%	58.8%
Heterosexual Contact (HET)	12,218	8,599	70.4%	636	7.0%	11.8%	15.4%	65.8%
Perinatal Transmission	396	289	73.0%	565	17.6%	11.4%	13.1%	57.8%
Other Exposure	44	34	77.3%	550	14.7%	11.8%	17.6%	55.9%
No Estimated or Reported Exposure	80	55	68.8%	596	10.9%	12.7%	16.4%	60.0%
Total	31,676	22,431	70.8%	628	7.3%	11.4%	15.8%	65.6%

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. Median count is weighted based on statistical adjustment.

Table 22 – Viral Load Test Results during 2020 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Estimated or Reported Exposure Category, Reported through June 30, 2021

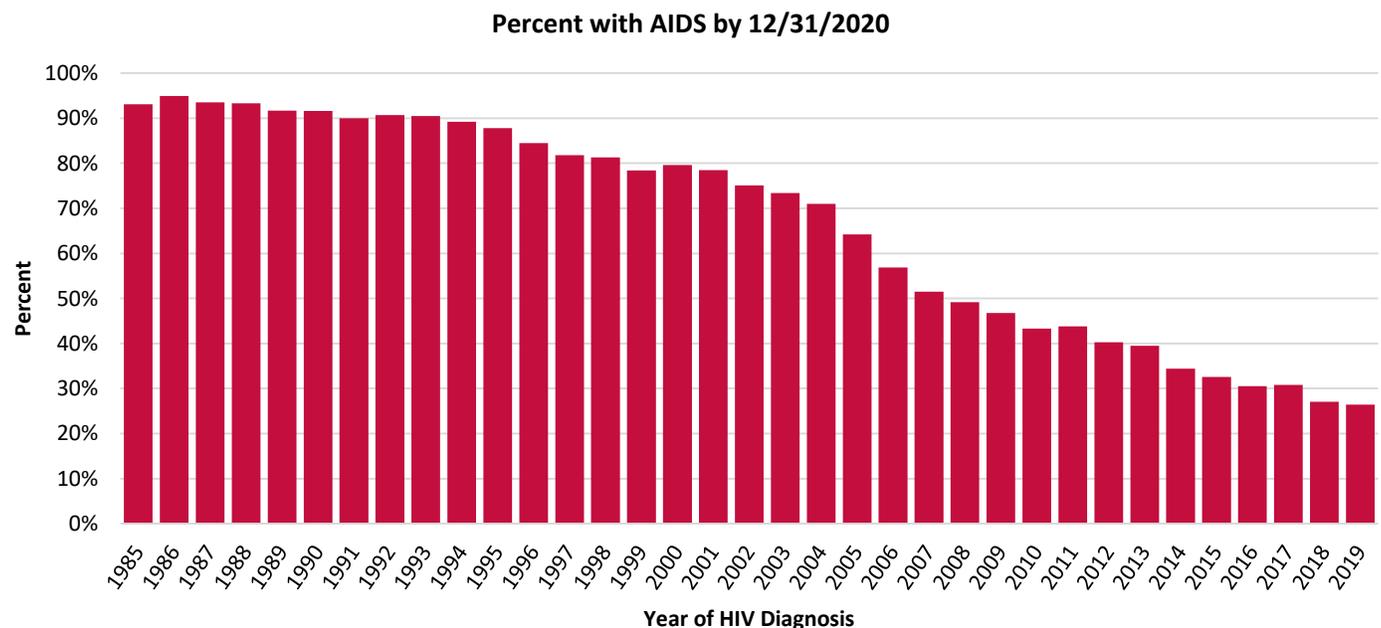
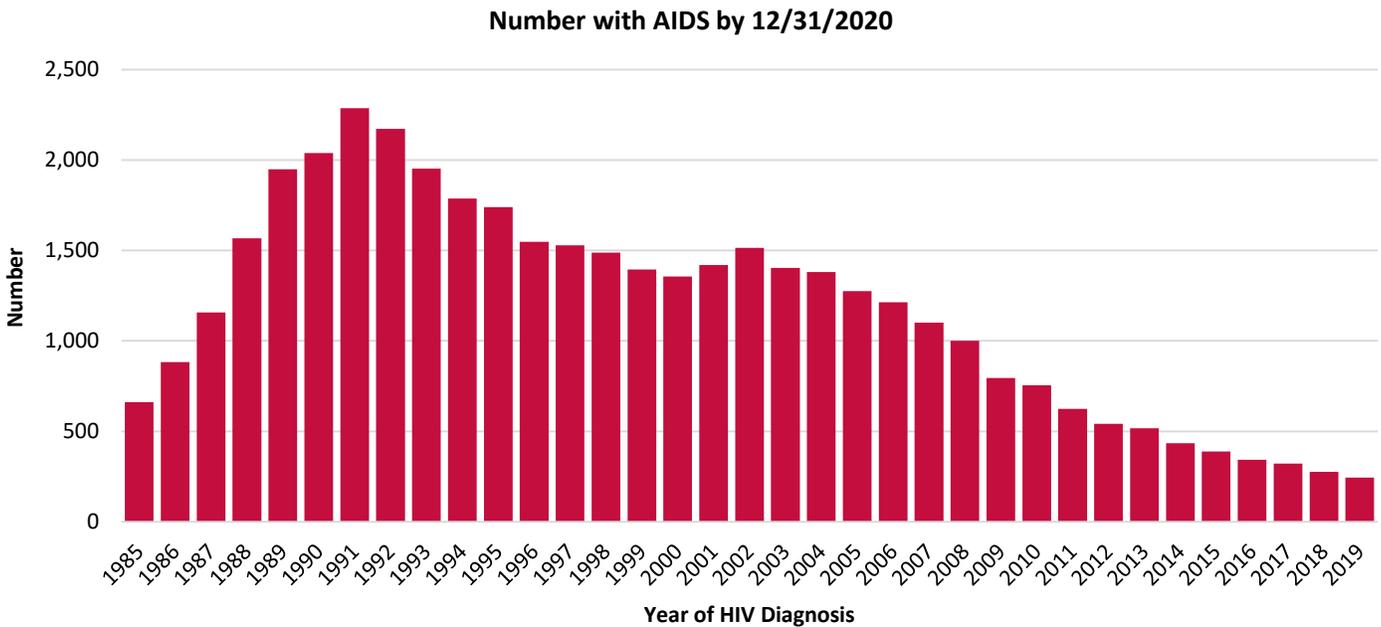
Estimated or Reported Exposure Category	Total People Aged 13+ with Living Diagnosed HIV				
	No.	Recent Viral Load Test Results			Median Unsuppressed Viral Load
		No. with Test	% with Test	% Suppressed	
Male-to-male Sexual Contact (MSM)	12,768	9,523	74.6%	90.3%	9,620
Injection Drug Use (IDU)	5,047	3,678	72.9%	89.5%	12,800
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	1,123	856	76.2%	88.7%	13,700
Heterosexual Contact (HET)	12,218	8,939	73.2%	90.7%	9,760
Perinatal Transmission	396	314	79.3%	72.3%	10,500
Other Exposure	44	34	77.3%	94.1%	39,800
No Estimated or Reported Exposure	80	58	72.5%	82.8%	21,188
Total	31,676	23,402	73.9%	90.0%	10,500

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. Median unsuppressed is weighted based on statistical adjustment.

Section VIII – Disease Progression and Mortality

Figure 10 – Trends in Disease Progression by Year of HIV Diagnosis, 1985-2019, Reported through June 30, 2021

Number of People Aged 13+ with Diagnosed HIV, Aged 13+ at HIV Diagnosis, (Reported HIV Diagnoses among People Aged 13+), Number of People Aged 13+ with Diagnosed HIV with an AIDS Diagnosis by December 31, 2020 (Reported AIDS Diagnoses), Percent by Year of HIV Diagnosis of Reported HIV Diagnoses with a Reported AIDS Diagnosis among People Aged 13+ by December 31, 2020, the Average Years from HIV Diagnosis to AIDS Diagnosis for People with an AIDS Diagnosis, and the Percent by Year of HIV Diagnosis of Reported HIV Diagnoses with a Reported AIDS Diagnosis among People Aged 13+ at 1 Year, 2 Years, 5 Years, and 10 Years after HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2019, Reported through June 30, 2021

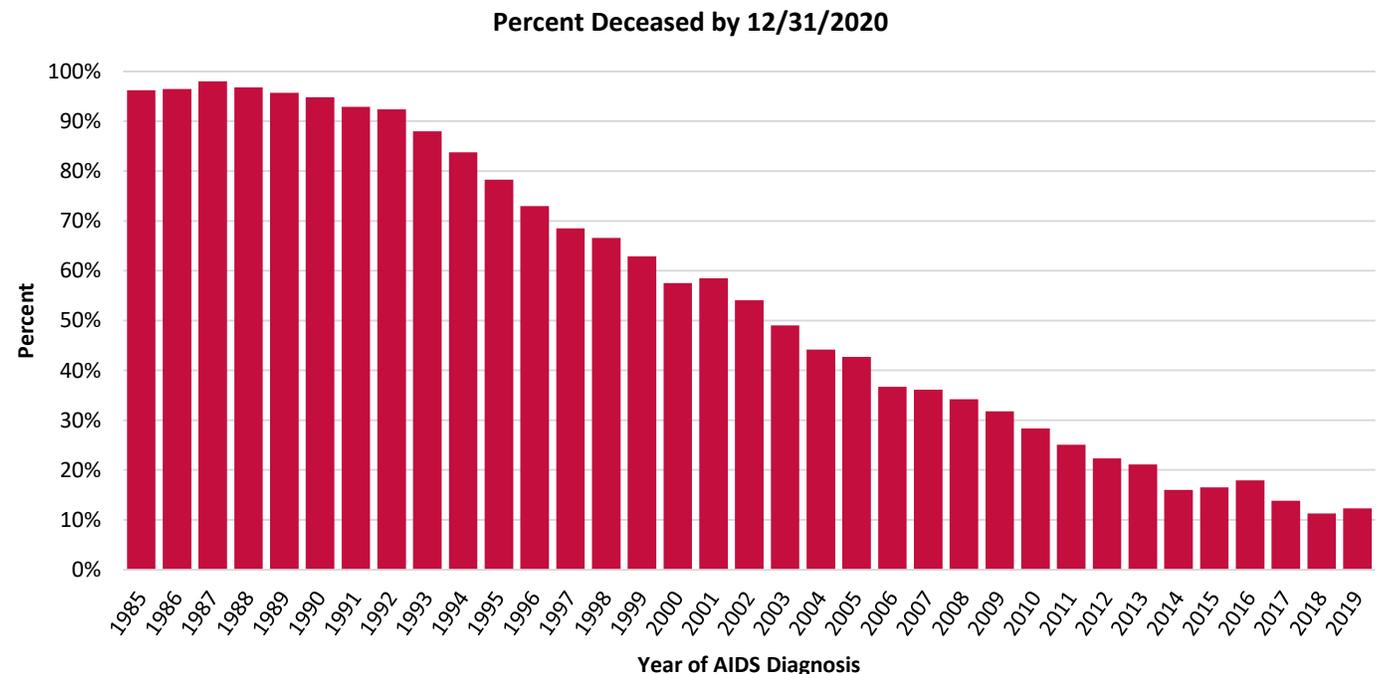
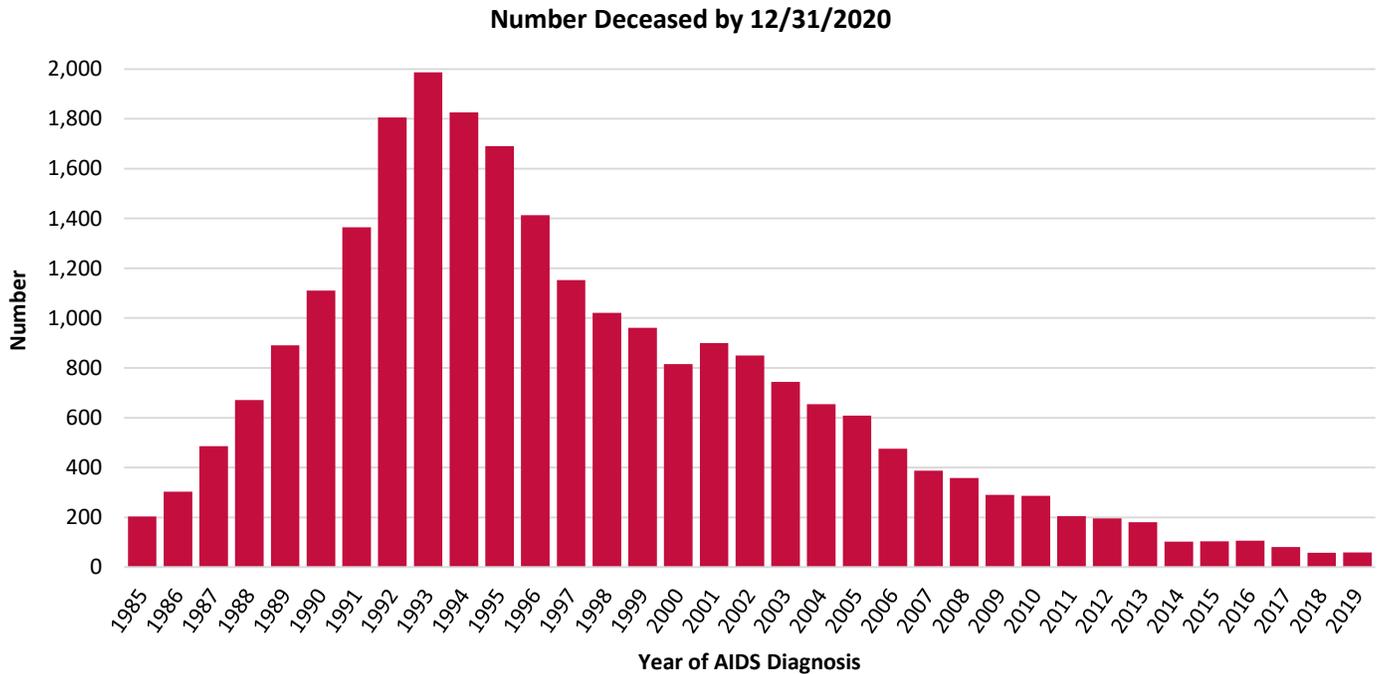


Reported HIV Diagnoses among People Aged 13+

Year of HIV Diagnosis	Reported HIV Diagnoses among People Aged 13+							
	No.	Reported AIDS Diagnoses			Percent with AIDS by Years After HIV Diagnosis			
		No.	% with AIDS	Mean Years from HIV to AIDS	1 Year	2 Years	5 Years	10 Years
<1985	381	365	95.8%	7.3	37.3%	37.3%	40.4%	65.4%
1985	710	661	93.1%	6.3	31.0%	32.5%	40.6%	75.2%
1986	929	882	94.9%	5.3	36.2%	37.2%	49.1%	82.2%
1987	1,239	1,158	93.5%	4.5	37.9%	40.4%	57.3%	83.5%
1988	1,680	1,567	93.3%	3.9	40.4%	44.4%	65.6%	86.0%
1989	2,126	1,949	91.7%	3.5	41.1%	45.9%	69.0%	84.9%
1990	2,225	2,038	91.6%	3.2	43.9%	51.0%	72.6%	85.4%
1991	2,541	2,287	90.0%	2.8	46.5%	55.6%	74.0%	84.1%
1992	2,394	2,172	90.7%	2.8	49.5%	58.4%	74.9%	83.9%
1993	2,156	1,952	90.5%	2.2	55.6%	63.8%	77.3%	85.9%
1994	2,004	1,788	89.2%	2.3	57.1%	64.3%	75.6%	83.9%
1995	1,981	1,740	87.8%	2.4	58.1%	63.7%	72.6%	82.4%
1996	1,831	1,548	84.5%	2.2	59.0%	63.1%	70.8%	79.7%
1997	1,868	1,528	81.8%	2.2	55.6%	60.1%	68.5%	76.6%
1998	1,831	1,488	81.3%	2.2	56.0%	59.9%	67.8%	75.8%
1999	1,780	1,395	78.4%	2.0	56.3%	60.3%	67.5%	74.0%
2000	1,704	1,356	79.6%	2.1	54.8%	58.8%	67.8%	75.3%
2001	1,808	1,419	78.5%	1.9	56.1%	59.7%	68.4%	74.2%
2002	2,017	1,515	75.1%	1.9	54.2%	57.9%	64.8%	70.8%
2003	1,911	1,403	73.4%	1.8	53.6%	57.0%	63.0%	69.9%
2004	1,944	1,380	71.0%	2.0	50.5%	53.9%	59.8%	67.2%
2005	1,989	1,276	64.2%	1.8	45.8%	48.8%	54.8%	61.3%
2006	2,131	1,213	56.9%	2.1	38.2%	40.6%	47.7%	54.0%
2007	2,139	1,101	51.5%	2.3	32.3%	35.0%	41.8%	48.8%
2008	2,034	1,000	49.2%	2.0	31.3%	34.5%	41.9%	47.2%
2009	1,698	795	46.8%	2.0	29.7%	32.4%	39.3%	45.7%
2010	1,742	754	43.3%	1.8	28.0%	30.7%	36.7%	42.6%
2011	1,425	624	43.8%	1.6	30.3%	33.8%	38.0%	--
2012	1,342	541	40.3%	1.3	29.5%	32.2%	37.0%	--
2013	1,310	517	39.5%	1.0	31.4%	32.9%	36.9%	--
2014	1,260	434	34.4%	1.0	25.7%	28.3%	32.8%	--
2015	1,191	388	32.6%	0.8	25.9%	28.1%	31.6%	--
2016	1,121	342	30.5%	0.7	24.8%	26.9%	--	--
2017	1,045	322	30.8%	0.4	27.3%	28.8%	--	--
2018	1,020	276	27.1%	0.3	25.2%	26.6%	--	--
2019	925	244	26.4%	0.2	25.1%	--	--	--
Total	59,432	41,418	69.7%	2.5	43.3%	47.4%	56.9%	65.5%

Figure 11 – Trends in Survival Times by Year of AIDS Diagnosis, 1985-2019, Reported through June 30, 2021

Number of People Aged 13+ with Diagnosed HIV, Aged 13+ at HIV Diagnosis, with an AIDS Diagnosis by December 31, 2019 (Reported AIDS Diagnoses), Number of Reported AIDS Diagnosis among People Aged 13+ Reported to Have Died of Any Cause by December 31, 2020 (Reported AIDS Deaths), Percent by Year of AIDS Diagnosis of Reported AIDS Diagnoses with a Reported AIDS Death (Percent Dead) among People Aged 13+ by December 31, 2020, the Average Years from AIDS Diagnosis to Death for People that have Died, and the Percent by Year of AIDS Diagnosis of Reported AIDS Diagnoses among People Aged 13+ Not Reported to Have Died (Percent Alive) at 1 Year, 2 Years, 5 Years, and 10 Years after AIDS Diagnosis, by Year of AIDS Diagnosis from 1985 through 2019, Reported through June 30, 2021



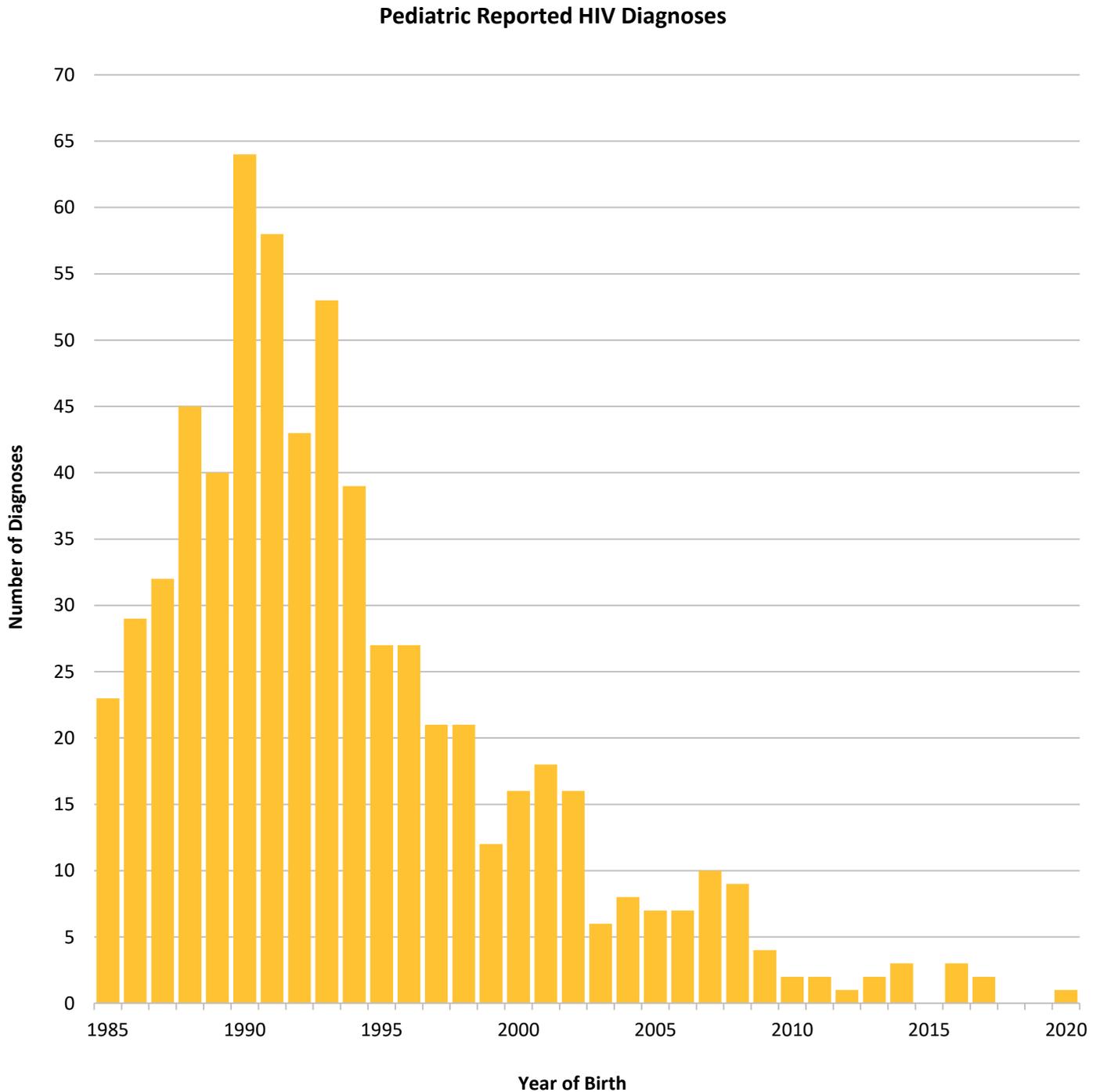
Year of AIDS Diagnosis	Reported AIDS Diagnoses among People Aged 13+							
	No.	Reported AIDS Deaths			Percent Alive by Years After AIDS Diagnosis			
		No.	% Deceased	Mean Years from AIDS to Death	1 Year	2 Years	5 Years	10 Years
<1985	145	140	96.6%	1.7	42.8%	20.7%	10.3%	7.6%
1985	212	204	96.2%	1.7	42.5%	19.8%	11.3%	6.1%
1986	314	303	96.5%	2.2	51.3%	33.1%	13.1%	8.3%
1987	496	486	98.0%	2.2	57.1%	31.7%	11.1%	5.8%
1988	693	671	96.8%	2.3	60.6%	38.1%	14.0%	6.5%
1989	931	891	95.7%	2.9	64.0%	43.6%	17.8%	9.8%
1990	1,171	1,110	94.8%	3.2	66.6%	47.9%	21.3%	12.1%
1991	1,469	1,365	92.9%	2.9	68.4%	48.2%	18.9%	12.8%
1992	1,953	1,805	92.4%	3.4	71.8%	50.5%	22.3%	16.3%
1993	2,257	1,987	88.0%	4.0	77.2%	56.5%	33.2%	22.4%
1994	2,178	1,826	83.8%	4.3	78.1%	59.0%	39.8%	26.7%
1995	2,160	1,691	78.3%	5.6	78.8%	67.6%	51.9%	37.6%
1996	1,935	1,413	73.0%	6.0	82.3%	75.7%	60.2%	43.4%
1997	1,682	1,152	68.5%	6.5	85.4%	78.3%	63.7%	48.6%
1998	1,534	1,021	66.6%	6.5	87.0%	80.8%	66.2%	49.4%
1999	1,528	961	62.9%	6.3	87.4%	81.0%	66.7%	51.9%
2000	1,418	815	57.5%	6.3	88.2%	83.6%	69.7%	56.4%
2001	1,536	899	58.5%	5.8	86.6%	79.6%	66.7%	55.0%
2002	1,572	850	54.1%	6.1	88.9%	83.9%	71.8%	59.9%
2003	1,518	744	49.0%	5.1	85.8%	80.4%	70.7%	61.1%
2004	1,481	654	44.2%	5.3	88.8%	84.4%	75.0%	65.6%
2005	1,425	609	42.7%	5.5	89.3%	85.3%	76.5%	67.8%
2006	1,293	475	36.7%	4.7	89.6%	85.8%	77.6%	68.8%
2007	1,076	388	36.1%	4.7	89.4%	86.4%	79.5%	69.2%
2008	1,048	358	34.2%	4.2	89.3%	85.4%	78.5%	70.1%
2009	912	290	31.8%	4.0	90.5%	87.4%	80.0%	70.8%
2010	1,011	286	28.3%	3.8	91.7%	88.9%	82.8%	72.7%
2011	817	205	25.1%	3.7	93.9%	90.9%	83.1%	--
2012	878	196	22.3%	3.0	91.5%	89.6%	83.7%	--
2013	856	181	21.1%	2.7	92.5%	89.3%	83.5%	--
2014	637	102	16.0%	2.0	92.5%	89.6%	86.3%	--
2015	632	104	16.5%	1.6	91.9%	89.7%	84.3%	--
2016	592	106	17.9%	1.3	90.4%	86.8%	--	--
2017	586	81	13.8%	1.1	93.2%	89.1%	--	--
2018	514	58	11.3%	0.7	92.0%	90.5%	--	--
2019	478	59	12.3%	0.5	90.0%	--	--	--
Total	40,938	24,486	59.8%	4.5	82.6%	73.1%	58.9%	49.0%

*2019 AIDS deaths are preliminary.

Section IX – Pediatrics

Figure 12 – Trends in Reported HIV Diagnoses among People Aged <13, 1985-2020, Reported through June 30, 2021

Number of Pediatric HIV Diagnoses, Age <13 at HIV Diagnosis, (Pediatric Reported HIV Diagnoses) by Year of Birth, by Year of HIV Diagnosis, by Year of AIDS Diagnosis, and by Year of Death Due to Any Cause, and Number of Children with Diagnosed HIV, Age <13 at HIV Diagnosis, and Not Reported to have Died as of December 31st of Each Year (Total Living Pediatric Diagnoses) from 1985 through 2020, as Reported by Name through June 30, 2021



Year	Number of Pediatric Reported HIV Diagnoses				Total Pediatric Diagnoses Alive on December 31st of Each Year
	By Birth Year	By HIV Diagnosis Year	By AIDS Diagnosis Year	By Death Year	
<1985	55	5	3	0	--
1985	23	13	8	2	17
1986	29	15	6	4	28
1987	32	22	14	5	45
1988	45	28	19	6	67
1989	40	37	25	8	96
1990	64	56	23	9	143
1991	58	59	35	12	190
1992	43	65	39	12	241
1993	53	56	36	16	279
1994	39	41	29	16	304
1995	27	29	23	20	312
1996	27	37	27	19	327
1997	21	18	12	7	338
1998	21	20	12	6	351
1999	12	24	13	5	368
2000	16	16	5	1	383
2001	18	14	11	5	392
2002	16	14	8	4	402
2003	6	6	3	6	401
2004	8	11	6	5	408
2005	7	8	5	1	415
2006	7	15	7	4	427
2007	10	43	10	5	465
2008	9	15	8	3	479
2009	4	10	7	2	488
2010	2	3	8	6	487
2011	2	3	8	5	487
2012	1	3	3	4	489
2013	2	3	11	3	490
2014	3	6	4	1	496
2015	0	0	8	3	494
2016	3	4	6	4	495
2017	2	3	3	3	497
2018	0	3	9	3	497
2019	0	0	6	2	498
2020	2	1	2	2	497
Total	706	706	462	219	--

Table 23 – People Aged <13 Living with Diagnosed HIV, Alive on December 31, 2020, by Jurisdiction of Current Residence, Reported through June 30, 2021

Jurisdiction of Current Residence	Total People Aged <13 Living with Diagnosed HIV	
	No.	% of Total
Allegany	2	4.7%
Anne Arundel	0	0.0%
Baltimore City	10	23.3%
Baltimore	4	9.3%
Calvert	0	0.0%
Caroline	0	0.0%
Carroll	2	4.7%
Cecil	2	4.7%
Charles	4	9.3%
Dorchester	0	0.0%
Frederick	0	0.0%
Garrett	0	0.0%
Harford	2	4.7%
Howard	2	4.7%
Kent	0	0.0%
Montgomery	6	14.0%
Prince George's	7	16.3%
Queen Anne's	0	0.0%
Saint Mary's	0	0.0%
Somerset	0	0.0%
Talbot	0	0.0%
Washington	2	4.7%
Wicomico	0	0.0%
Worcester	0	0.0%
Corrections	0	0.0%
Total	43	100.0%

Table 24 – People Aged <13 Living with Diagnosed HIV, Alive on December 31, 2020, by Sex at Birth and Race/Ethnicity, Reported through June 30, 2021

Demographic Characteristic	Total People Aged <13 Living with Diagnosed HIV	
	No.	% of Total
Sex at Birth		
Male	15	34.9%
Female	28	65.1%
Race/Ethnicity		
Hispanic	4	9.3%
Non-Hispanic	39	90.7%
American Indian/Alaska Native, only	0	0.0%
Asian, only	1	2.3%
Black, only	32	74.4%
Native Hawaiian/Other Pacific Islander, only	0	0.0%
White, only	5	11.6%
Multiracial/Other	1	2.3%
Total	43	100.0%

Table 25 – Perinatal HIV Transmissions by Year of Birth, 2011-2020

Year of Birth	Live Births	Women of Childbearing Age Living with Diagnosed HIV	Reported Perinatal HIV Exposures	Confirmed Perinatal HIV Transmission		
	No.	No.	No.	No.	%	Rate
2011	73,052	6,367	174	2	1.1%	2.7
2012	72,751	6,655	183	1	0.5%	1.4
2013	71,806	6,729	163	1	0.6%	1.4
2014	73,588	6,296	202	3	1.5%	4.1
2015	73,588	6,419	152	0	0.0%	0.0
2016	73,073	6,045	185	3	1.6%	4.1
2017	71,589	5,689	169	1	0.6%	1.4
2018	71,037	5,190	162	0	0.0%	0.0
2019	70,130	5,029	168	0	0.0%	0.0
2020	--	4,741	145	2	1.4%	--
Total	650,614	59,160	1,703	13	0.8%	2.0

Live births from Maryland Vital Statistics Annual Report 2020. Perinatal HIV Transmission Rate: Number of confirmed perinatal HIV transmissions divided by the number of live births multiplied by 100,000 by year of birth.

Women of childbearing age (ages 13-49) with diagnosed HIV and perinatal HIV exposures from Maryland Enhanced HIV/AIDS Reporting System, reported through June 30, 2021.

Perinatal HIV exposures and transmissions are based on residence at birth.

Glossary of Terms

Age at AIDS Diagnosis: Age group at time of initial AIDS diagnosis.

Age at HIV Diagnosis: Age group at time of initial HIV diagnosis.

Age on [date]: Age group of people living with diagnosed HIV on the specified date.

Another Gender Identity: All other gender identities or gender expressions.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of people living with diagnosed HIV with a CD4 test distributed by their CD4 count results (cells per microliter).

CD4 With Test: Number and percent of total people aged 13+ living with diagnosed HIV with a recent CD4 test result.

Confirmed Perinatal HIV Transmission: Reported infants born to a woman living with diagnosed HIV, with a confirmed HIV diagnosis and a resident of Maryland at time of birth.

Corrections: Residence in a state or federal prison in Maryland. Does not include local jails and detention centers.

Current Residence: Jurisdiction of residence from the most recent report since January 1, 2009.

Female: A person whose sex assigned at birth is female.

First CD4 Test Result Median Count: Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

First CD4 Test Result Percent with Test: Percent of reported HIV diagnoses among people aged 13+ with the first CD4 test result reported within 12 months following the initial HIV diagnosis.

Gender Expression: People's outward presentation of their gender which may or may not conform to socially defined behaviors and characteristics typically associated with being either masculine or feminine.

Gender Identity: Refers to one's internal understanding of one's own gender, or the gender with which a person identifies.

Heterosexual Contact (HET): Men or women who report a history of sexual contact with a person of the opposite sex who is known to be HIV positive or at increased risk for HIV transmission. Risk groups include bisexual men, IDUs and recipients of blood, blood components, transplants of organ or tissue, and artificial insemination.

Injection Drug Use (IDU): People who report receiving an injection, either self-administered or given by another person, of a drug that was not prescribed by a physician.

Jurisdiction of Current Residence: Jurisdiction of residence from the most recent report since January 1, 2009.

Jurisdiction of Residence: Jurisdiction of residence at diagnosis or current residence.

Jurisdiction of Residence at AIDS Diagnosis: Jurisdiction of residence at time of initial AIDS diagnosis.

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at the later time of initial HIV diagnosis or time of initial AIDS diagnosis.

Jurisdiction of Residence at HIV Diagnosis: Jurisdiction of residence at time of initial HIV diagnosis.

Late HIV Diagnosis: Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 3 months after their initial HIV diagnosis.

Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a reported CD4 or viral load test performed less than or equal to 1 month or 3 months after their initial HIV diagnosis.

Live Births: Infants born alive in the general population.

People Aged 13+ Living with Diagnosed HIV: Reported HIV diagnoses, age 13 years or older as of December 31st of the specified year and not reported to have died as of December 31st of the specified year.

People Living with Diagnosed HIV: Reported HIV diagnoses not reported to have died as of December 31st of the specified year.

Male: A person whose sex assigned at birth is male.

Mean Years from HIV Diagnosis: Mean or average number of years from initial HIV diagnosis to initial AIDS diagnosis for people living with a reported AIDS diagnosis.

Mean Years from AIDS diagnosis to AIDS Death: Mean or average number of years from initial AIDS diagnosis to death for adult/adolescent reported AIDS diagnoses with a reported death.

Median Count: Median CD4 count (cells per microliter), among total people aged 13+ living with diagnosed HIV, of the most recent CD4 test result measured in the specified year.

Median Unsuppressed: Median unsuppressed viral load (copies per milliliter) among people aged 13+ living with diagnosed HIV of the most recent viral load test result measured in the specified year of 200 copies per milliliter or greater.

Male-to-male Sexual Contact (MSM): Men who report a history of sexual contact with other men (homosexual contact) including men who report sexual contact with both men and women (bisexual contact).

Male-to-male Sexual Contact/Injection Drug Use (MSM/IDU): Men who report a history of sexual contact with other men who also have engaged in injection drug use.

Other Exposure: Includes people who received clotting factor for hemophilia/coagulation disorder, or received a transfusion of blood/blood components, or received a transplant of tissue/organs or artificial insemination, or worked in a health care or clinical laboratory setting.

Percent Change: The percent change in number of total people aged 13+ living with diagnosed HIV from residence at diagnosis to current residence.

Percent Alive by Years after AIDS Diagnosis: Percent of adult/adolescent reported AIDS diagnoses not reported to have died at 1 year, 2 years, 5 years and 10 years after initial AIDS diagnosis, by year of AIDS diagnosis.

Percent Late HIV Diagnosis: Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 3 months prior to their initial AIDS diagnosis.

Percent Suppressed: Percent of total people aged 13+ living with diagnosed HIV with a recent viral load test result measured in the specified year of less than 200 copies per milliliter.

Percent with AIDS by Years after HIV Diagnosis: Percent of adult/adolescent reported HIV diagnoses in the specified year with an initial AIDS diagnosis at 1 year, 2 years, 5 years and 10 years after HIV diagnosis.

Perinatal Exposure: Any baby born to a woman living with diagnosed HIV.

Perinatal HIV Transmission Percent: Percent of confirmed perinatal HIV transmissions among reported perinatal HIV exposures by year of birth.

Perinatal HIV Transmission Rate: Number of confirmed perinatal HIV transmissions divided by the number of live births multiplied by 100,000 by year of birth.

Population: Population estimate for July 1, 2020.

Population Aged 13+: Population age 13 years or older, estimate for July 1, 2020.

Rate: Number of people living with diagnosed HIV divided by the population and multiplied by 100,000.

Ratio (1 in X): Number of people for every 1 person living with diagnosed HIV in the population, or 1 person living with diagnosed HIV in every X number of people.

Recent CD4 Test Result: The most recent CD4 test result measured in the specified year.

Recent Viral Load Test Result: The most recent viral load test result measured in the specified year.

Reported AIDS Deaths: Reported HIV diagnoses with an AIDS diagnosis, reported to have died of any cause during the specified year.

Reported AIDS Diagnoses: Reported HIV diagnoses with an initial AIDS diagnosis during the specified year.

Reported AIDS Diagnoses among People Aged 13+: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

Reported HIV Diagnoses: Reported HIV diagnoses with an initial HIV diagnosis during the specified year.

Reported HIV Diagnoses among People Aged 13+: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

Reported Perinatal HIV Exposures: Reported infants born to a woman living with diagnosed HIV during the specified year, with a residence of Maryland at time of birth.

Residence at Diagnosis: Jurisdiction of residence at later time of initial HIV diagnosis or initial AIDS diagnosis.

Retained in HIV Care: HIV diagnosed with a reported CD4 or viral load test result performed or reported antiretroviral use in the specified year.

Suppressed Viral Load: HIV diagnosed with the most recent viral load measured in the specified year of less than 200 copies per milliliter.

Total People Aged 13+ Living with Diagnosed HIV: Reported HIV diagnoses, age 13 years or older as of December 31st of the specified year not reported to have died as of December 31st of the specified year.

Total People Aged <13 Living with Diagnosed HIV: Reported HIV diagnosis, age less than 13 years at HIV diagnosis and not reported to have died as of December 31st of the specified year.

Total People Living with Diagnosed HIV: Reported HIV diagnoses not reported to have died as of December 31st of the specified year.

Transgender Man: A person whose sex assigned at birth is female but who identify as masculine.

Transgender Woman: A person whose sex assigned at birth is male but who identify as feminine.

Viral Load With Test: Number and percent of total people aged 13+ living with diagnosed HIV with a recent viral load test result.

Women of Childbearing Age Living with Diagnosed HIV: Reported HIV diagnoses among women of childbearing age (13-49 years old).